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WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and World Agricultural Outlook Board

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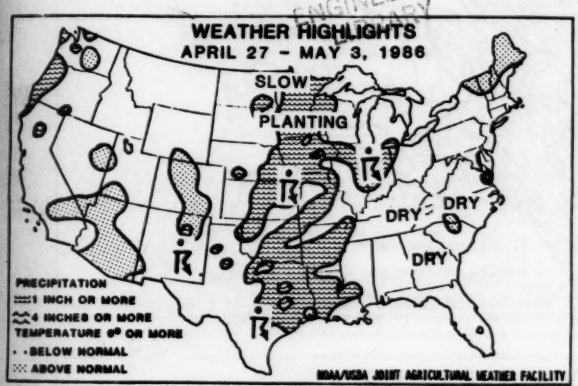
National Weather Summary

April 27 to May 3, 1986



HIGHLIGHTS: Substantial rain from showers and thunderstorms fell from the eastern portion of the Great Plains to the Mississippi River and eastward through the Midwest to Indiana. Very little rain fell in the western Plains or in the East where rain was badly needed. It was cooler than normal in the Northwest. The cool weather reached through the Rockies early in the week, but it warmed rapidly in late week. The East was warmer than normal but cooled at the end of the week.

SUNDAY...Showers and thunderstorms developed from eastern Texas and western Louisiana to the upper Mississippi Valley. Thunderstorms were severe from eastern Kansas to Minnesota. Light showers fell in the Pacific Northwest and northern Rockies. Cool weather prevailed over the Plateau, Rockies, and northern Great Plains, but record-warm temperatures covered the East.

MONDAY...Showers and thunderstorms were scattered from the Great Lakes region through the Ohio and Tennessee Valleys to the central gulf coast. Light showers pushed into northern Georgia, western South Carolina, and southwestern Virginia. Light rain continued in the Pacific Northwest and the northern Plains. It was cool in the Plains and most of the West but warm in the East.

TUESDAY...Light showers and thunderstorms were scattered from the mid-Atlantic coast to western New York, but no rain fell in the Southeast. Thunderstorms were scattered over much of Texas with moderate rain falling in parts of the lower tip. Light rain continued in the Northwest, the northern Rockies, and the northern Plains. Some moderate showers fell from Iowa to Lake Michigan.

WEDNESDAY...Showers and thunderstorms were heavy at times from eastern Texas through Iowa, eastward into Ohio, and through the middle and lower Ohio Valley. Lighter rain fell from North Dakota through the Lakes to western New York and Pennsylvania. It was quite cool in the Northwest but temperatures warmed rapidly in the East.

THURSDAY...Rainshowers and thunderstorms continued in eastern Texas and the lower Mississippi Valley and spread northeastward into central Kentucky. Light rain covered the Northeast from Pennsylvania and northern New Jersey through New England. Light rain fell along the Northwest coast. It was still cool in most of the West and unusually warm in the East.

FRIDAY...Cooler weather was pushing into the East while the West began to warm. Showers and thunderstorms lingered in southeastern Texas and western Louisiana. Another group of showers and a few thunderstorms developed in the lower Missouri Valley. Rain continued in the Northwest and spread into northern California.

SATURDAY...A few showers lingered in southern Texas, the lower Missouri Valley, and the southern Rockies. The major rain area was the Northwest. A few moderate showers fell in northern California and the northern Rockies, and lighter amounts reached to central California and over the Plateau. Cool temperatures covered the east coast, but it was unusually warm through the Great Plains.

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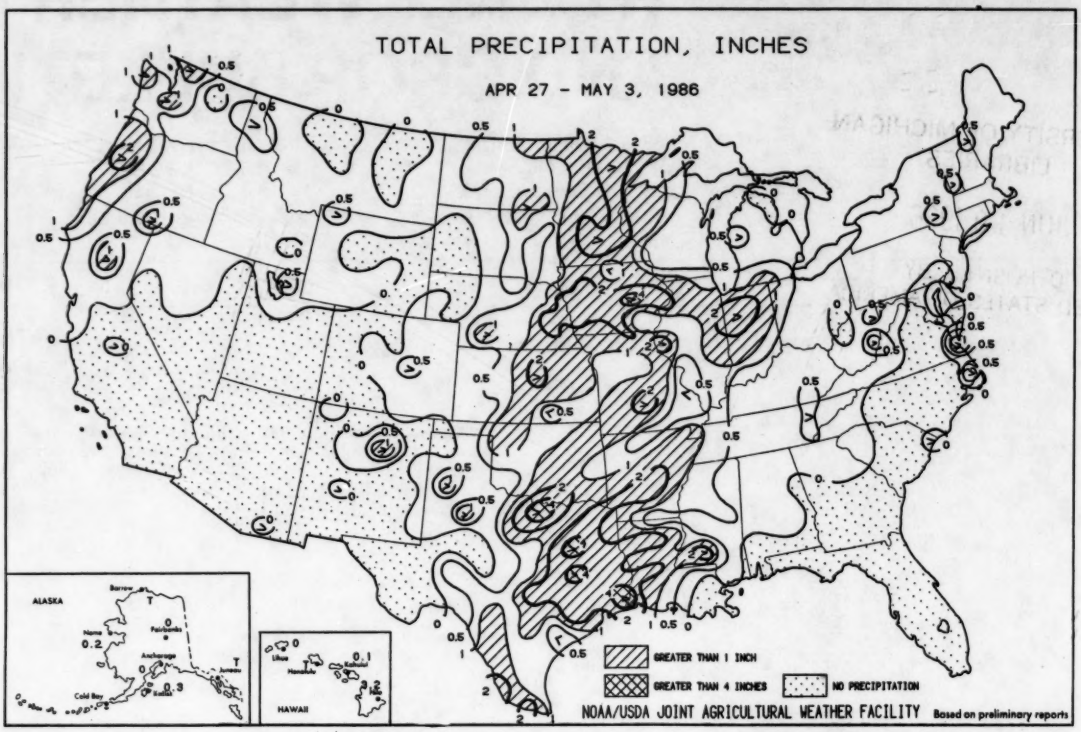
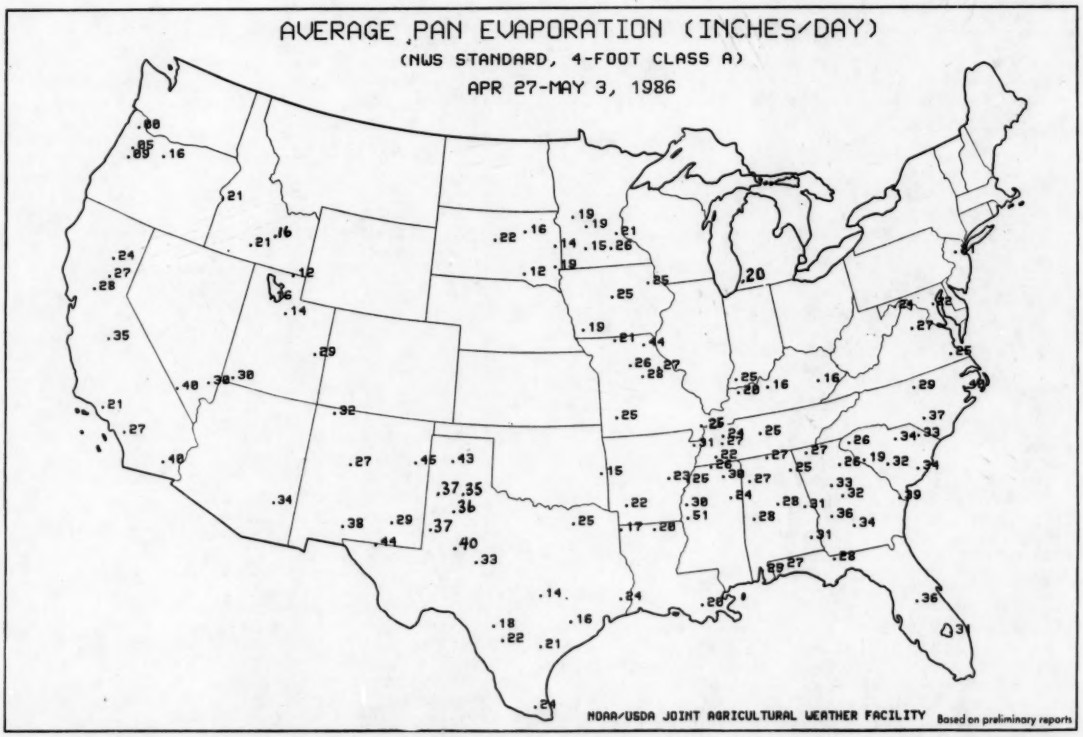
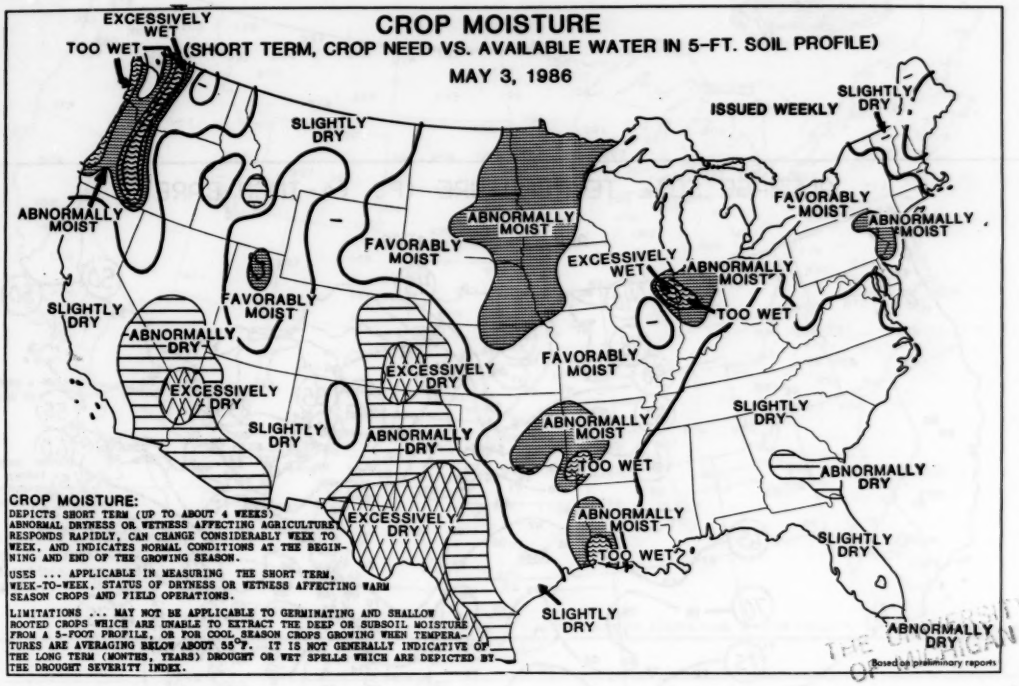

TOTAL PRECIPITATION, INCHES
APR 27 - MAY 3, 1986
ALASKA
HAWAII
GREATER THAN 1 INCH
GREATER THAN 4 INCHES
NO PRECIPITATION
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


AVERAGE PAN EVAPORATION (INCHES/DAY)
(NWS STANDARD, 4-FOOT CLASS A)
APR 27-MAY 3, 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
MAY 3, 1986
ISSUED WEEKLY
EXCESSIVELY WET
TOO WET
SLIGHTLY DRY
ABNORMALLY MOIST
FAVORABLY MOIST
ABNORMALLY DRY
EXCESSIVELY DRY
CROP MOISTURE:
DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE. RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES ... APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.
LIMITATIONS ... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
Based on preliminary reports

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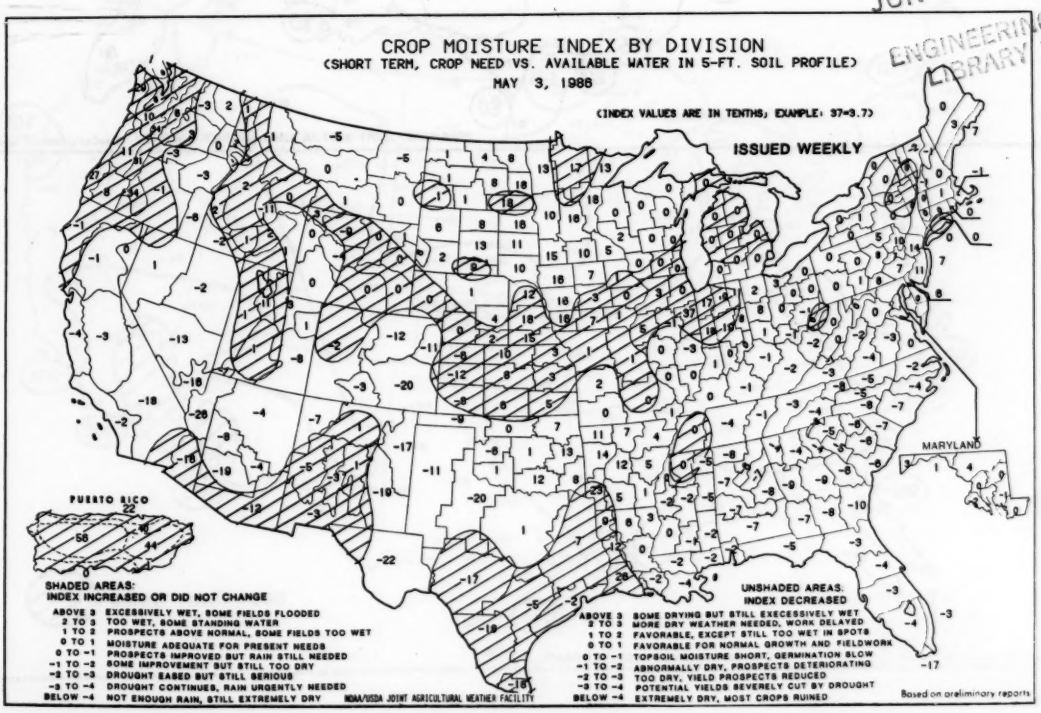
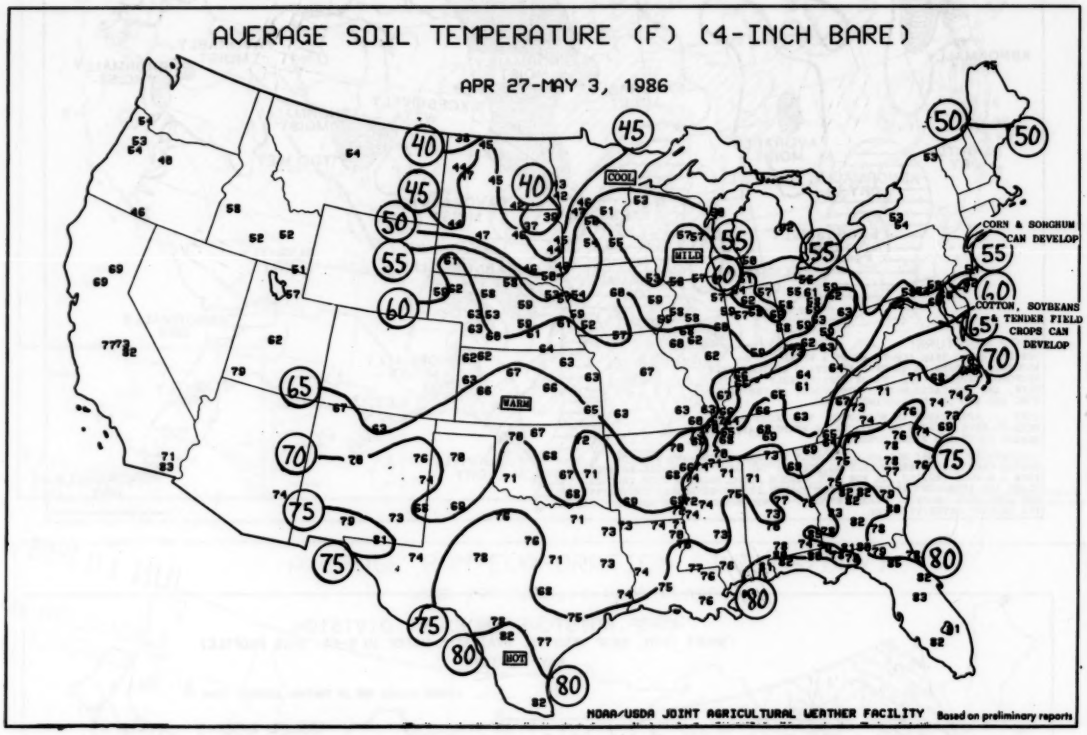
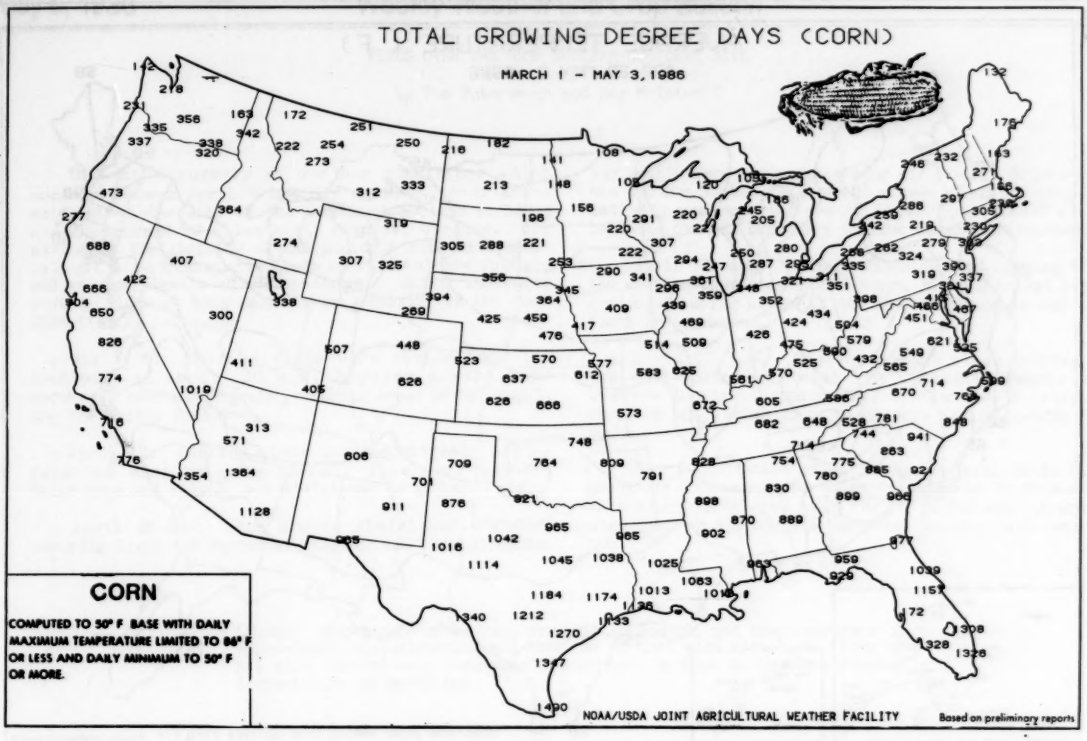
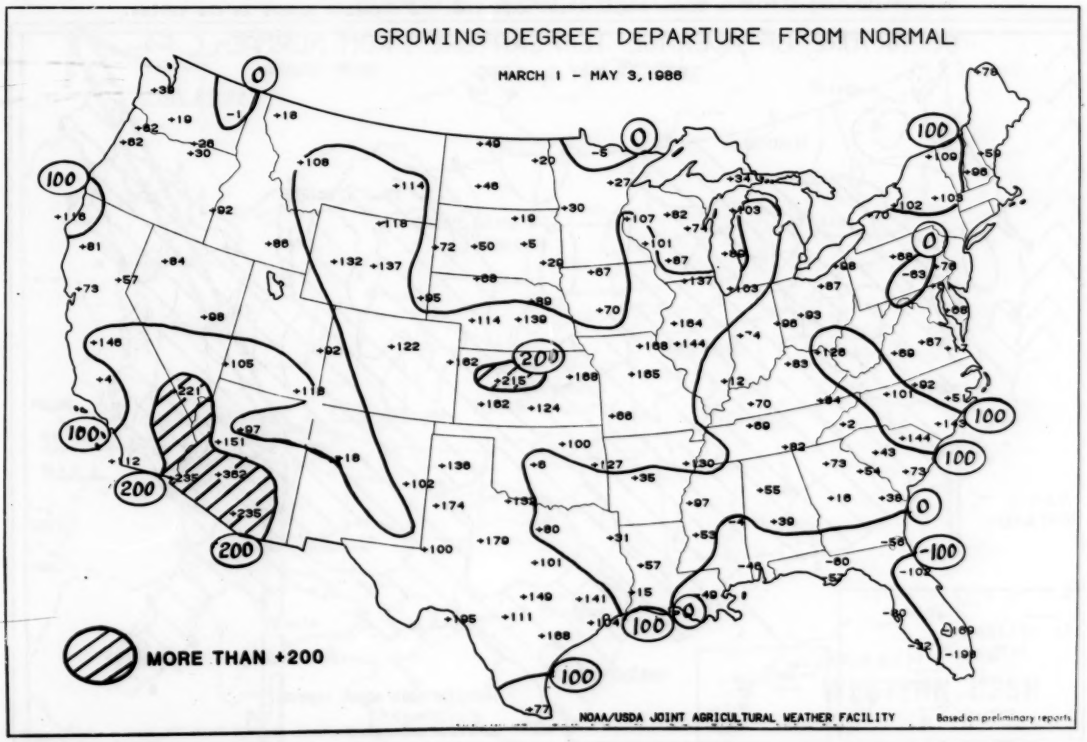
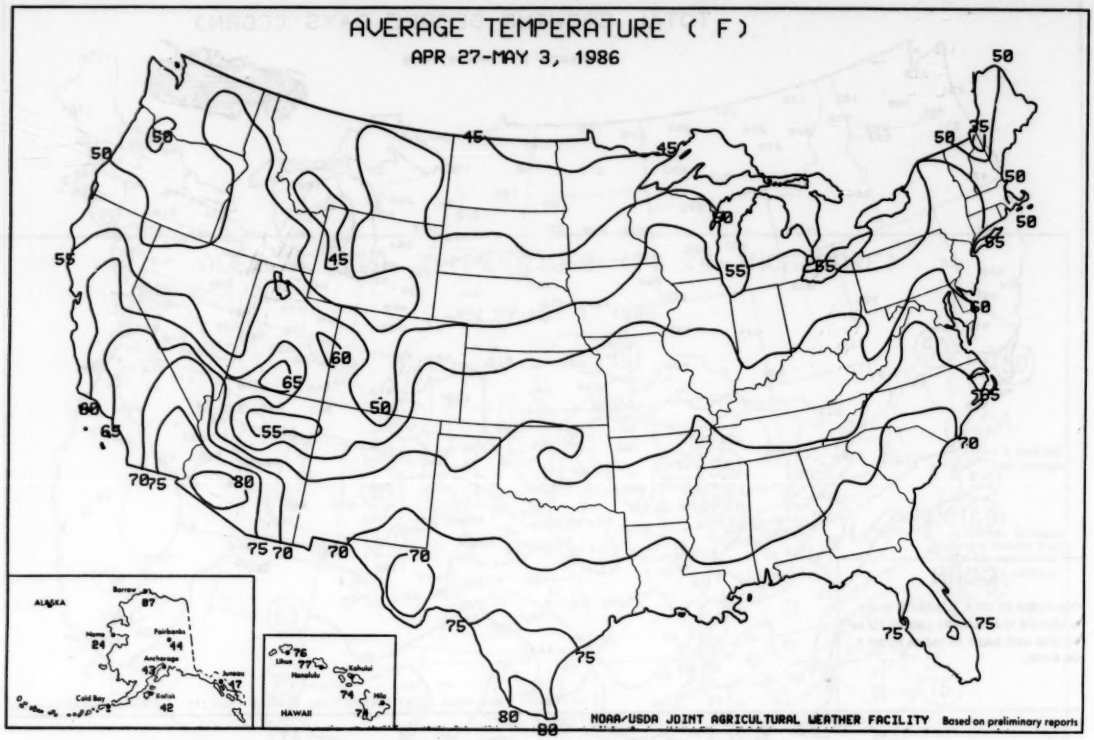

CROP MOISTURE INDEX BY DIVISION
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
MAY 3, 1986
(INDEX VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
ISSUED WEEKLY
PUERTO RICO
MARYLAND
SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET, SOME FIELDS FLOODED
2 TO 3 TOO WET, SOME STANDING WATER
1 TO 2 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 TO 1 MOISTURE ADEQUATE FOR PRESENT NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL TOO DRY
-2 TO -3 DROUGHT EASED BUT STILL SERIOUS
-3 TO -4 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN, STILL EXTREMELY DRY
UNSHADED AREAS:
INDEX DECREASED
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY, PROSPECTS DETERIORATING
-2 TO -3 TOO DRY, YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW -4 EXTREMELY DRY, MOST CROPS RUINED
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

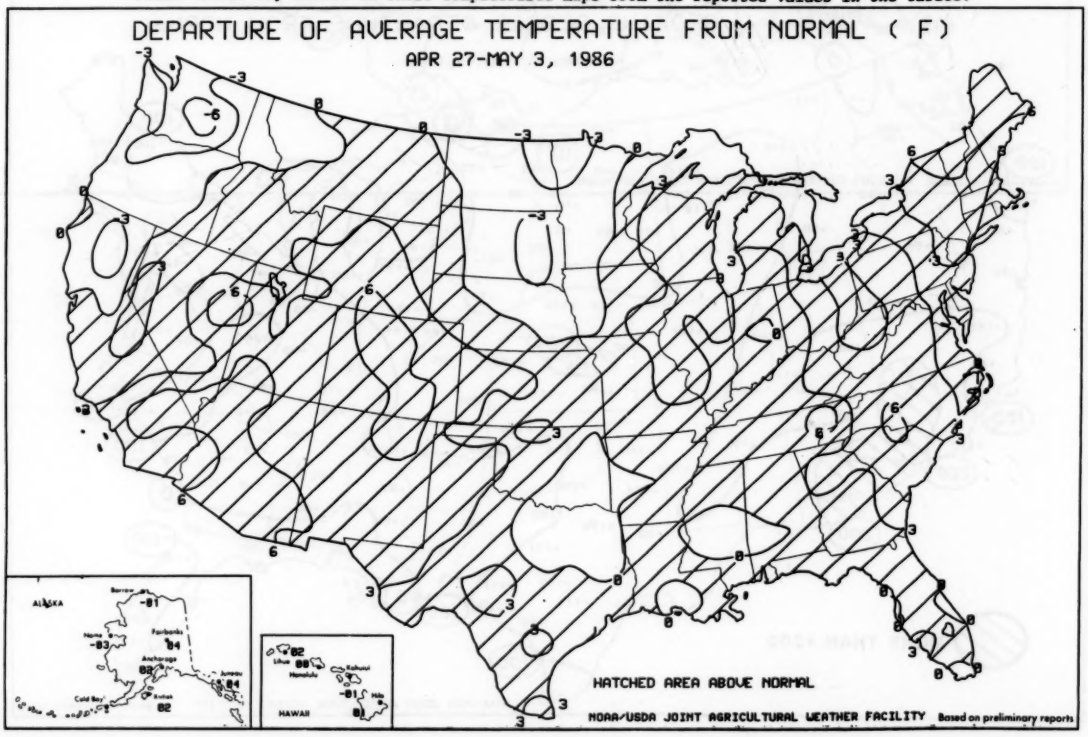

AVERAGE SOIL TEMPERATURE (F) (4-INCH BARE)
APR 27-MAY 3, 1986
COOL
MILD
WARM
HOT
CORN & SORGHUM CAN DEVELOP
COTTON, SOYBEANS & TENDER FIELD CROPS CAN DEVELOP
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


TOTAL GROWING DEGREE DAYS (CORN)
MARCH 1 - MAY 3, 1986
CORN
COMPUTED TO 50° F BASE WITH DAILY MAXIMUM TEMPERATURE LIMITED TO 86° F OR LESS AND DAILY MINIMUM TO 50° F OR MORE.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


GROWING DEGREE DEPARTURE FROM NORMAL
MARCH 1 - MAY 3, 1986
MORE THAN +200
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports



Point values may differ on these computerized maps from the reported values in the tables.


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (F)
APR 27-MAY 3, 1986
HATCHED AREA ABOVE NORMAL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

WINDS OVER THE USSR NUCLEAR ACCIDENT SITE

by Tom Puterbaugh and Ray McInturff

This is a summary of weather conditions which occurred between April 26 and May 4, 1986, over areas adjacent to the site of the Chernobyl nuclear accident which occurred 60 miles north of Kiev, Ukraine. Air mixing at the vicinity of the accident site will cause fallout to be transported both by winds at the surface and at upper levels of the atmosphere. Unless otherwise stated, winds at both levels were generally in the same direction.

o April 26: Surface winds were moving from the southeast at about 10 mph, blowing towards the northwest over minor grain producing areas of Belorussia and the Baltic States.

o April 27: Surface winds shifted slightly moving from the east bringing the air flow over western Belorussia and Poland, but diminished to around 5 mph.

o April 28-29: Wind speeds diminished further, becoming light and variable. The surface wind direction was mainly from the south moving air towards Belorussia, the Baltic States, and the Northwest Region. Shower activity was reported around Kiev. Upper level winds began to change, beginning to blow toward the southeast.

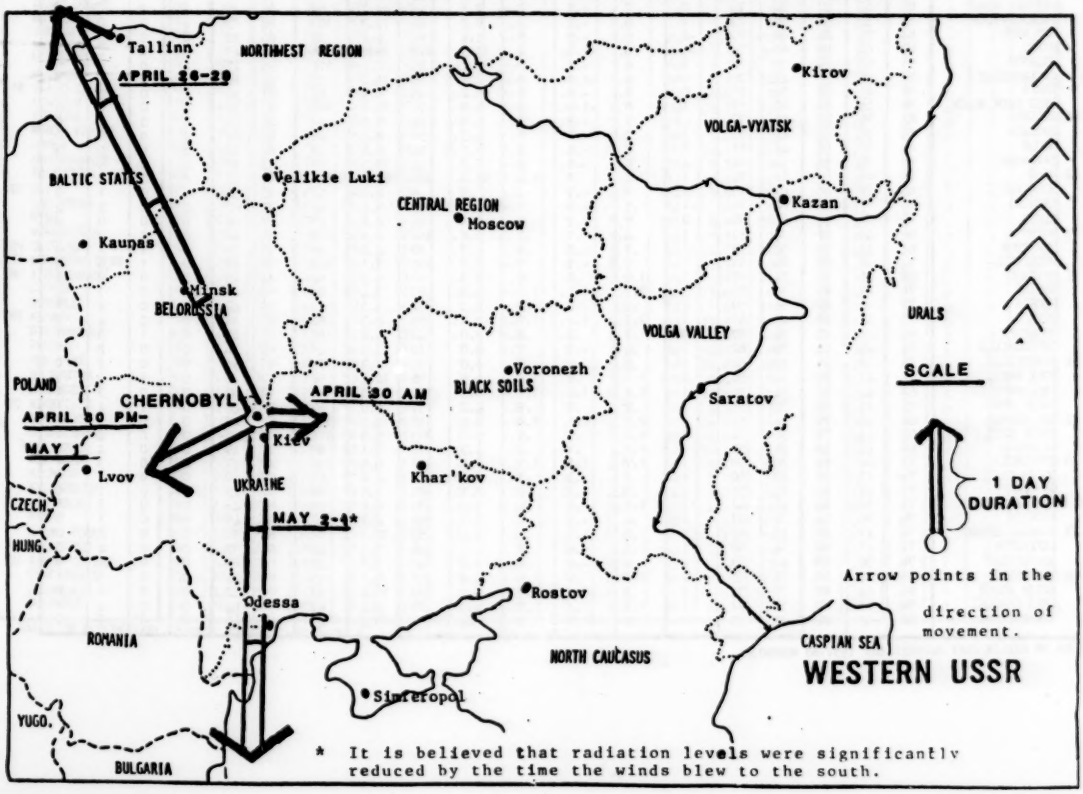
o April 30, a.m.: Surface winds shifted, moving from the west-northwest at around 5 mph, blowing toward major grain producing areas of the eastern Ukraine and the Black Soils Region.

o April 30, p.m. - May 1: Surface winds shifted to the east-northeast, with air movement towards the western Ukraine into southeastern Europe, blowing at about 5 mph. Upper level winds were moving towards the south.

o May 2-4: Both surface and upper-level winds blew generally from north to south, increasing in intensity as a storm developed over the Volga Valley. Average wind speed at the surface near the Chernobyl site was 15 mph.

LEGEND: The arrows shown here are only schematic, and they represent only approximate wind-direction and duration of that wind direction. They are not wind vectors and, consequently, cannot be used to derive windspeed or trajectories of particles.

SURFACE WIND DIRECTION AND DURATION



* It is believed that radiation levels were significantly reduced by the time the winds blew to the south.

National Weather Data for Selected Cities

Weather Data for the Week Ending May 3, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar. 1	PCT. NORMAL SINCE Mar. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	83	51	89	46	67	1	T	-1.0	T	3.1	25	6.0	27	84	23	0	0	1	0
MOBILE	83	58	86	54	71	-1	0	-1.3	0	6.7	54	13.5	62	95	35	0	0	0	0
MONTGOMERY	83	54	89	50	69	0	.1	-.9	.1	9.8	92	17.0	88	90	34	0	0	1	0
AK ANCHORAGE	52	33	56	29	43	2	0	-.1	0	2.1	150	2.9	94	74	39	0	3	0	0
BARROW	15	0	23	-15	7	-1	T	0	T	.2	37	.5	63	91	78	0	7	2	0
FAIRBANKS	54	33	60	31	44	4	T	-.1	T	.4	56	.7	41	64	27	0	4	0	0
JUNEAU	56	37	61	32	47	4	T	-.7	T	9.4	143	19.7	141	91	36	0	1	1	0
KODIAK	51	33	57	29	42	1	.3	-1.3	.3	7.4	77	24.0	99	84	44	0	3	2	0
NOME	33	14	40	-9	24	-3	.2	.1	.2	.7	55	1.7	65	88	61	0	5	3	0
AZ PHOENIX	96	67	104	57	81	9	0	0	0	1.6	143	2.9	121	28	9	6	0	0	0
PRESCOTT	79	42	85	32	61	8	0	-.1	0	2.0	84	3.1	55	42	14	0	1	0	0
TUCSON	93	60	99	50	76	8	T	-.1	T	1.3	125	3.4	136	43	14	5	0	0	0
YUMA	95	65	98	61	80	6	0	0	0	.2	47	.5	50	50	13	7	0	0	0
AR FORT SMITH	77	54	85	47	65	0	1.0	-.1	.5	9.1	107	12.9	100	94	47	0	0	3	1
LITTLE ROCK	75	58	82	52	67	0	1.5	.3	1.0	10.5	100	14.1	78	77	47	0	0	2	2
CA BAKERSFIELD	81	51	86	49	66	0	0	-.1	0	2.3	144	4.2	114	64	23	0	0	0	0
EUREKA	59	46	61	39	52	2	1.2	.7	.9	8.8	107	26.0	127	92	63	0	0	4	1
FRESNO	81	52	87	48	67	3	.2	0	.2	3.9	140	9.7	145	70	27	0	0	1	0
LOS ANGELES	74	57	81	55	65	4	0	-.1	0	5.2	190	12.9	155	91	52	0	0	0	0
RED BLUFF	70	48	76	39	59	-4	1.7	1.4	1.5	7.6	190	21.1	179	75	36	0	0	2	1
SACREMENTO	74	48	81	44	61	-1	T	-.2	T	4.1	119	16.3	157	88	36	0	0	0	0
SAN DIEGO	75	59	87	57	67	5	0	-.1	0	4.2	176	7.6	127	87	45	0	0	0	0
SAN FRANCISCO	65	49	69	43	57	1	.1	-.1	.1	6.4	149	18.6	154	87	50	0	0	1	0
CO DENVER	74	43	81	35	59	7	T	-.5	T	3.0	93	3.9	87	69	22	0	0	1	0
GRAND JUNCTION	77	47	86	30	62	5	0	-.2	0	1.0	62	1.4	52	50	16	0	1	0	0
PUEBLO	82	41	89	33	62	6	T	-.3	T	1.1	59	1.4	61	70	14	0	0	1	0
CT BRIDGEPORT	65	47	72	38	56	3	.1	-.7	.1	4.0	50	10.0	70	84	45	0	0	1	0
HARTFORD	69	45	80	34	57	3	.1	-.8	0	4.3	50	12.7	83	91	37	0	0	2	0
DC WASHINGTON	76	52	87	42	64	3	T	-.7	T	2.7	41	8.6	71	69	29	0	0	0	0
FL APALACHICOLA	83	58	86	52	71	-1	0	-.7	0	2.5	33	11.7	80	98	52	0	0	0	0
DAYTONA BEACH	87	57	91	53	72	0	T	-.5	T	2.3	42	10.7	97	94	32	1	0	0	0
JACKSONVILLE	88	57	94	52	72	2	0	-.9	0	6.4	86	15.3	109	88	29	4	0	0	0
KEY WEST	84	71	86	68	77	-2	0	-.5	0	1.9	64	5.2	78	86	55	0	0	0	0
MIAMI	88	65	92	60	76	-1	0	-1.0	0	11.3	209	18.0	189	88	40	1	0	0	0
ORLANDO	91	61	92	58	76	2	0	-.6	0	3.1	55	12.1	115	95	27	6	0	0	0
TALLAHASSEE	89	51	93	47	70	0	0	-1.0	0	2.9	29	15.2	77	95	22	4	0	0	0
TAMPA	88	61	91	56	75	0	0	-.5	0	5.2	95	8.9	83	97	34	2	0	0	0
WEST PALM BEACH	88	65	91	62	77	1	0	-1.0	0	5.8	91	13.7	117	91	38	2	0	0	0
GA ATLANTA	83	56	93	51	70	4	T	-.9	T	4.7	44	8.0	40	69	25	1	0	1	0
AUGUSTA	88	51	96	44	70	3	T	-.8	T	4.3	50	8.2	49	92	24	4	0	0	0
MACON	88	55	96	48	71	2	0	-.8	0	3.1	34	8.8	49	82	22	2	0	0	0
SAVANNAH	89	58	95	52	74	4	0	-.8	0	3.2	44	10.5	77	85	23	4	0	0	0
HI HILO	81	66	83	63	74	1	3.2	.5	1.8	58.2	209	63.6	125	92	63	0	0	5	2
HONOLULU	85	70	86	67	77	1	T	-.3	T	.5	9	2.0	17	80	48	0	0	1	0
KAHULUI	80	67	83	60	74	-1	.1	-.1	.1	6.9	163	9.1	78	89	62	0	0	2	0
LIHUE	80	71	81	67	76	2	T	-.7	T	3.6	44	4.8	27	82	62	0	0	0	0
ID BOISE	66	41	81	32	53	1	.4	.1	.2	3.8	162	8.5	167	84	28	0	1	3	0
LEWISTON	64	43	78	32	53	-1	.1	-.2	.1	1.3	57	4.0	89	71	36	0	1	1	0
POCATELLO	66	38	80	26	52	3	T	-.3	T	3.4	155	7.1	169	78	27	0	1	0	0
IL CHICAGO	68	46	87	34	57	3	1.0	.2	.9	3.3	51	6.3	66	84	40	0	0	2	1
MOLINE	71	47	85	34	59	3	2.1	1.1	1.0	4.5	63	7.4	73	88	42	0	0	3	2
PEORIA	72	46	86	36	59	2	.9	0	.9	2.3	32	4.3	43	93	40	0	0	2	1
QUINCY	72	49	85	40	61	3	2.3	1.4	1.7	4.1	55	6.3	62	87	39	0	0	4	2
ROCKFORD	69	45	87	31	57	3	1.1	.2	.8	3.0	42	6.2	63	88	41	0	1	3	1
SPRINGFIELD	74	49	85	39	62	3	.6	-.3	.5	3.0	40	4.9	45	85	36	0	0	2	1
IN EVANSVILLE	75	48	87	40	62	1	.2	-.7	.2	5.0	55	11.9	79	95	35	0	0	3	0
FORT WAYNE	67	45	85	32	56	2	1.7	.8	1.4	6.6	96	10.2	94	89	39	0	1	3	1
INDIANAPOLIS	67	46	84	34	56	-1	1.9	1.0	1.7	8.3	109	12.0	94	92	39	0	0	3	1
SOUTH BEND	65	45	84	32	55	2	.9	.1	.5	4.2	57	8.0	67	86	40	0	1	4	1
IA DES MOINES	68	46	79	34	57	0	2.9	2.1	2.6	8.6	150	10.5	133	82	43	0	0	3	1
SIOUX CITY	65	44	75	36	54	-2	1.4	.7	.9	9.1	213	9.9	171	92	47	0	0	4	1
WATERLOO	67	44	80	35	55	2	1.1	.1	.4	4.3	70	7.1	89	87	49	0	0	4	0
KS CONCORDIA	73	46	81	38	59	1	1.7	1.1	1.7	5.3	121	6.6	112	87	47	0	0	3	1
DODGE CITY	74	47	87	40	60	1	.3	-.3	.3	2.3	65	2.8	61	88	40	0	0	1	0
GOODLAND	73	42	84	33	58	4	.2	-.3	.2	2.1	85	2.5	78	87	33	0	0	1	0
TOPEKA	74	50	82	43	62	2	1.4	.6	.8	5.0	90	6.6	88	84	44	0	0	3	2
WICHITA	76	50	84	39	63	2	.4	-.3	.4	3.0	66	4.3	69	82	45	0	0	1	0
KY BOWLING GREEN	76	49	85	42	63	1	.2	-.7	.2	5.4	53	10.1	54	85	30	0	0	2	0
LEXINGTON	73	47	87	34	60	1	.3	-.6	.2	4.3	46	7.3	45	83	37	0	0	2	0
LOUISVILLE	76	50	88	40	63	2	.2	-.8	.2	3.9	42	8.7	55	76	28	0	0	2	0
LA ALEXANDRIA	81	64	87	55	73	2	1.5	.1	1.0	5.8	51	9.1	43	89	48	0	0	3	1
BATON ROUGE	84	64	87	59	74	2	.3	-1.1	.3	5.7	53	10.8	53	93	42	0	0	1	0
LAKE CHARLES	80	65	83	58	72	1	1.3	.1	.9	5.9	78	9.6	61	98	64	0	0	4	1
NEW ORLEANS	82	63	86	58	73	1	0	-1.1	0	3.4	35	9.8	49	94	46	0	0	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending May 3, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar. 1	PCT. NORMAL SINCE Mar. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	79	58	85	50	69	-1	1.9	.8	1.3	5.6	63	9.6	59	98	54	0	0	3	2
ME CARIBOU	64	40	75	28	52	8	.1	-.5	.1	4.7	88	10.7	109	93	44	0	2	1	0
PORTLAND	58	42	67	33	50	2	T	-.8	T	7.7	94	16.9	108	93	62	0	0	2	0
MD BALTIMORE	74	48	86	34	61	3	T	-.8	T	3.6	49	9.5	71	76	32	0	0	1	0
SALISBURY	76	48	87	41	62	3	T	-.7	T	2.6	34	10.6	74	82	37	0	0	0	0
MA BOSTON	57	44	73	37	51	-3	.1	-.8	0	5.0	61	11.3	71	90	63	0	0	2	0
CHATHAM	55	43	62	39	49	0	.1	-.8	.1	5.1	61	10.6	63	—	—	0	0	3	0
MI ALPENA	64	37	83	27	51	5	T	-.6	T	4.1	88	6.2	81	88	40	0	3	0	0
DETROIT	68	44	84	30	56	4	.3	-.3	.3	5.0	85	9.8	103	82	36	0	1	3	0
FLINT	68	42	85	26	55	4	.2	-.5	.1	4.1	75	6.9	81	74	31	0	1	3	0
GRAND RAPIDS	67	43	83	30	55	3	.3	-.5	.2	4.9	78	9.3	95	82	38	0	2	3	0
HOUGHTON LAKE	65	41	84	26	53	5	.1	-.5	.1	4.0	84	6.8	91	80	36	0	3	4	0
LANSING	67	41	84	28	54	3	.2	-.4	.1	3.5	66	7.0	81	84	37	0	2	2	0
MARQUETTE	62	36	82	20	49	5	.2	-.7	.2	7.1	104	11.3	106	91	39	0	3	2	0
MUSKEGON	64	42	82	28	53	2	.2	-.4	.2	3.5	58	7.1	71	84	41	0	1	2	0
SAULT STE. MARIE	55	36	78	25	46	2	.5	-.2	.3	5.7	121	8.3	97	95	55	0	3	4	0
MN ALEXANDRIA	58	37	67	27	47	-2	1.6	1.0	1.2	7.7	212	9.8	188	94	51	0	2	3	1
DULUTH	57	35	69	25	46	1	1.9	1.4	1.3	5.0	119	6.4	102	93	52	0	3	3	2
INT'L FALLS	54	33	66	25	43	-2	2.0	1.6	.8	3.6	126	5.2	116	96	53	0	4	4	2
MINNEAPOLIS	63	43	72	36	53	0	2.6	2.1	1.8	7.9	198	9.7	170	89	51	0	0	4	1
ROCHESTER	63	41	76	32	52	1	1.6	.9	1.2	6.0	131	7.2	120	90	56	0	1	3	1
MS GREENWOOD	81	57	87	50	69	0	.5	-.7	.5	4.8	39	6.8	31	90	33	0	0	2	1
JACKSON	82	53	86	47	68	-1	.1	-1.2	.1	5.1	42	7.4	34	92	35	0	0	1	0
MERIDIAN	81	51	87	46	66	-2	T	-1.1	T	5.3	42	8.6	39	96	36	0	0	1	0
MO CAPE GIRARDEAU	78	52	88	43	65	—	T	-1.1	T	6.2	62	9.9	62	86	36	0	0	1	0
COLUMBIA	74	49	83	44	62	2	.8	-.2	.5	3.9	52	8.0	73	88	38	0	0	3	1
KANSAS CITY	72	49	82	41	60	0	.5	-.3	.4	3.6	59	4.8	58	84	42	0	0	4	0
SAINT LOUIS	76	54	88	46	65	4	.3	-.5	.2	2.6	36	7.4	67	82	32	0	0	4	0
SPRINGFIELD	72	49	81	43	61	0	.6	-.3	.3	6.1	71	8.1	70	87	44	0	0	3	0
MT BILLINGS	64	38	84	32	51	1	.1	-.4	.1	3.8	118	5.8	118	79	30	0	1	2	0
GLASGOW	64	37	80	32	51	1	T	-.3	T	.7	51	1.6	73	75	27	0	2	0	0
GREAT FALLS	59	34	74	26	47	-2	T	-.4	T	2.9	111	4.2	95	81	32	0	3	0	0
HAVRE	62	37	78	30	50	1	T	-.3	T	.8	45	1.9	70	69	28	0	1	0	0
HELENA	62	34	76	27	48	0	T	-.2	T	1.5	84	3.0	103	79	30	0	3	1	0
KALISPELL	57	37	70	26	47	-1	.4	.2	.2	1.4	68	5.5	117	82	35	0	2	5	0
MILES CITY	67	40	89	35	54	2	.1	-.4	.1	1.3	62	2.5	76	85	33	0	0	1	0
MISSOULA	61	34	76	21	48	-1	.2	-.1	.2	1.2	61	4.3	102	90	37	0	4	2	0
NE GRAND ISLAND	69	42	79	37	56	0	.6	-.1	.6	4.6	101	5.0	85	90	45	0	0	3	1
LINCOLN	70	43	77	38	57	-1	1.9	1.1	1.6	8.7	170	9.3	139	92	46	0	0	4	1
NORFOLK	65	43	73	37	54	-1	.8	.1	.5	7.2	177	8.3	154	86	44	0	0	3	1
NORTH PLATTE	69	39	83	33	54	1	.7	.1	.7	4.5	138	5.6	133	89	39	0	0	1	1
OMAHA	68	44	75	32	56	0	2.1	1.3	1.2	10.2	199	11.1	163	89	49	0	1	4	1
SCOTTSBLUFF	70	38	83	32	54	3	.1	-.4	.1	3.3	126	5.3	156	86	34	0	1	1	0
VALENTINE	66	33	82	25	50	-2	.2	-.4	.2	4.4	154	5.2	141	80	36	0	4	2	0
NV ELY	71	33	76	20	52	6	T	-.2	T	2.8	144	3.8	115	72	21	0	2	0	0
LAS VEGAS	89	59	94	41	74	6	0	-.1	0	.4	64	.8	50	27	11	4	0	0	0
RENO	68	41	73	30	54	4	T	-.1	T	1.7	131	6.9	197	61	23	0	1	0	0
WINNEMUCCA	69	34	79	28	52	2	.1	-.1	.1	1.2	74	2.3	74	72	20	0	3	3	0
NH CONCORD	68	41	79	28	55	5	.1	-.6	0	5.5	88	12.7	110	97	40	0	1	2	0
NJ ATLANTIC CITY	69	43	77	35	56	0	.1	-.6	0	6.5	86	13.7	95	87	43	0	0	2	0
NM ALBUQUERQUE	78	47	83	34	63	3	.2	.1	.2	.7	76	1.9	106	55	17	0	0	2	0
CLOVIS	80	50	84	45	65	4	.2	-.1	.2	.5	34	1.8	67	73	24	0	0	1	0
ROSWELL	85	55	91	45	70	4	T	-.1	T	.4	61	1.6	133	59	18	1	0	0	0
NY ALBANY	69	45	83	34	57	5	.1	-.6	.1	5.3	85	11.5	106	91	37	0	0	1	0
BINGHAMTON	63	43	77	30	53	3	.1	-.6	.1	6.1	97	12.2	109	85	38	0	2	2	0
BUFFALO	66	43	88	32	54	3	T	-.7	T	5.3	84	10.2	86	81	36	0	1	1	0
NEW YORK	68	49	77	42	59	2	T	-.8	T	5.6	68	12.8	89	85	43	0	0	1	0
ROCHESTER	65	41	83	31	53	2	.1	-.5	.1	5.8	107	9.9	98	89	41	0	1	1	0
SYRACUSE	67	42	84	29	55	3	.1	-.7	.1	6.3	93	10.9	91	88	40	0	1	2	0
NC ASHEVILLE	78	47	88	38	62	3	T	-.8	T	3.3	36	6.3	38	80	26	0	0	1	0
CHARLOTTE	82	57	89	50	70	5	0	-.8	0	4.2	50	6.2	39	73	23	0	0	0	0
GREENSBORO	81	54	89	45	68	5	0	-.7	0	2.6	35	4.9	35	73	26	0	0	0	0
HATTERAS	71	53	79	42	62	-1	.1	-.7	.1	3.2	42	10.3	63	96	53	0	0	1	0
NEW BERN	83	55	94	46	69	3	0	-.8	0	4.6	66	9.6	64	91	31	1	0	0	0
RALEIGH	81	52	90	40	67	3	0	-.7	0	4.1	59	7.7	55	78	26	1	0	0	0
WILMINGTON	84	56	94	48	70	3	0	-.8	0	4.6	62	9.2	64	88	33	1	0	0	0
ND BISMARCK	60	35	76	28	48	-2	.2	-.2	.1	3.9	162	4.5	132	88	40	0	2	2	0
FARGO	56	36	70	26	46	-4	.7	.2	.5	5.4	184	6.5	167	94	58	0	2	3	1
GRAND FORKS	56	33	69	27	45	-3	.8	.4	.4	2.4	104	3.3	94	97	52	0	3	2	0
WILLISTON	62	34	84	26	48	-1	.1	-.3	0	3.4	170	4.4	142	86	32	0	3	2	0
OH AKRON-CANTON	68	44	88	30	56	2	T	-.8	T	3.9	56	8.4	72	78	35	0	1	1	0
CINCINNATI	72	46	86	32	59	1	.1	-.8	.1	4.7	60	8.6	63	91	36	0	1	2	0
CLEVELAND	68	43	88	27	56	3	.1	-.7	.1	6.3	95	11.6	103	79	35	0	1	1	0
COLUMBUS	72	46	88	33	59	3	T	-.8	T	3.9	56	8.4	71	81	28	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

Weather Data for the Week Ending May 3, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Mar. 1	PCT. NORMAL SINCE Mar. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	69	47	86	34	58	2	.3	-.6	.3	6.7	98	12.1	105	80	37	0	0	1	0
TOLEDO	69	44	86	33	56	3	.6	-.1	.3	5.2	86	8.6	88	85	36	0	0	3	0
YOUNGSTOWN	68	43	87	26	55	3	.2	-.6	.2	3.5	49	6.5	54	76	31	0	2	2	0
OK OKLAHOMA CITY	77	54	85	44	65	1	1.2	.2	1.2	6.2	113	6.9	90	88	44	0	0	2	1
TULSA	76	54	82	44	65	0	1.2	.2	.6	8.0	103	9.2	84	95	47	0	0	3	1
OR ASTORIA	57	40	63	32	49	-1	.8	0	.3	9.4	77	30.1	96	95	57	0	1	5	0
BURNS	54	38	56	25	45	-2	.1	-.1	.1	1.4	141	6.3	332	—	—	0	2	1	0
MEDFORD	63	41	76	31	52	-1	.7	.4	.5	1.9	63	9.2	107	92	37	0	1	4	0
PENDLETON	60	41	67	31	50	-4	.2	0	.2	1.7	80	6.0	120	78	38	0	1	2	0
PORTLAND	59	43	64	33	51	-3	.9	.5	.3	4.9	80	14.9	92	96	54	0	0	5	0
SALEM	58	40	63	33	49	-2	1.2	.7	.7	5.3	77	19.8	107	97	59	0	0	3	1
PA ALLENTOWN	70	47	82	36	59	4	T	-.9	T	6.4	78	15.0	103	78	38	0	0	2	0
ERIE	63	44	83	34	54	4	.1	-.6	.1	5.1	76	10.1	89	80	42	0	0	2	0
HARRISBURG	70	48	77	40	59	2	T	-.8	T	7.2	103	13.9	109	70	33	0	0	0	0
PHILADELPHIA	72	47	84	35	59	2	T	-.7	T	5.7	75	13.2	97	87	41	0	0	0	0
PITTSBURGH	70	46	88	32	58	3	.2	-.6	.2	3.3	46	9.2	74	68	27	0	1	2	0
SCRANTON	68	45	81	34	56	3	.1	-.6	.1	7.3	123	12.5	121	79	35	0	0	1	0
RI PROVIDENCE	60	45	65	35	52	-1	.1	-.7	.1	5.0	58	14.0	85	92	59	0	0	1	0
SC CHARLESTON	87	59	93	53	73	5	T	-.7	T	3.5	48	9.6	69	98	33	2	0	0	0
COLUMBIA	88	52	94	42	70	2	T	-.8	T	3.6	39	6.1	35	85	20	3	0	0	0
FLORENCE	89	58	96	48	73	6	T	-.6	T	3.7	50	5.9	41	86	31	3	0	0	0
GREENVILLE	85	53	93	45	69	4	.2	-.7	.2	3.7	35	6.3	33	73	20	1	0	1	0
SD ABERDEEN	58	39	70	31	48	-3	.9	.4	.7	8.2	262	9.3	216	93	49	0	1	3	1
HURON	60	37	69	30	49	-3	.5	-.1	.4	6.7	194	7.5	163	96	49	0	2	3	0
RAPID CITY	66	36	85	30	51	1	T	-.5	T	5.7	178	7.1	169	88	36	0	2	0	0
SIOUX FALLS	62	39	69	33	51	-2	.5	-.1	.3	6.6	157	7.4	132	90	50	0	0	2	0
TN CHATTANOOGA	81	51	92	46	66	2	.1	-.9	.1	2.7	24	7.4	35	86	29	1	0	1	0
KNOXVILLE	79	48	91	39	63	0	.5	-.4	.5	3.9	41	8.9	48	89	32	1	0	1	0
MEMPHIS	78	59	87	52	69	2	.2	-1.1	.1	5.7	49	8.8	43	78	40	0	0	2	0
NASHVILLE	78	49	89	42	63	0	.1	-.9	.1	2.9	27	6.7	35	80	26	0	0	2	0
TX ABILENE	82	58	88	51	70	2	.3	-.4	.3	1.5	40	3.0	53	84	36	0	0	1	0
AMARILLO	79	50	91	36	65	4	.1	-.3	.1	.8	39	1.8	56	86	30	1	0	1	0
AUSTIN	82	65	89	60	73	2	3.0	2.1	2.0	3.9	75	5.5	59	91	57	0	0	4	2
BEAUMONT	81	67	85	61	74	2	4.2	3.1	2.7	7.9	106	10.8	71	96	62	0	0	3	2
BROWNSVILLE	87	72	89	65	80	3	.6	.2	.4	1.4	63	2.7	53	96	55	0	0	3	0
CORPUS CHRISTI	84	70	86	67	77	1	.7	.1	.5	1.3	42	4.1	65	97	66	0	0	3	0
DEL RIO	85	67	94	65	76	2	T	-.5	T	.8	30	2.7	66	79	43	1	0	0	0
EL PASO	86	58	91	47	72	5	T	0	T	.4	76	.8	62	49	16	2	0	0	0
FORT WORTH	78	58	83	47	68	-2	1.4	.4	1.0	6.4	99	8.9	88	94	56	0	0	3	1
GALVESTON	77	69	79	64	73	1	1.1	.4	.9	2.9	59	5.3	51	92	68	0	0	2	1
HOUSTON	81	67	86	59	74	2	2.8	1.7	1.6	5.6	76	9.1	65	90	62	0	0	3	2
LUBBOCK	81	55	90	48	68	4	.4	0	.3	1.1	51	2.1	68	93	34	1	0	2	0
MIDLAND	85	56	91	49	71	3	T	-.4	T	T	3	.4	16	93	28	2	0	0	0
SAN ANGELO	84	60	91	51	72	2	T	-.5	T	.6	21	1.5	35	80	34	1	0	0	0
SAN ANTONIO	82	66	86	61	74	2	.6	-.2	.3	1.3	28	4.6	59	96	56	0	0	4	0
VICTORIA	84	67	88	64	76	2	.2	-.7	.1	1.5	36	3.2	38	96	60	0	0	2	0
WACO	81	59	87	48	70	-1	2.1	1.0	1.3	4.5	72	9.1	91	93	50	0	0	4	2
WICHITA FALLS	80	55	88	45	68	0	1.0	.1	.5	4.3	83	5.4	76	94	41	0	0	3	0
UT BLANDING	74	39	81	26	56	5	T	-.1	T	2.4	154	4.0	105	71	27	0	1	0	0
CEDAR CITY	73	40	79	24	57	5	0	-.2	0	2.6	120	3.3	92	59	18	0	1	0	0
SALT LAKE CITY	68	45	83	33	57	3	.2	-.3	.1	6.9	167	9.0	132	82	33	0	0	2	0
VT BURLINGTON	68	43	85	30	56	7	.2	-.4	.1	4.2	79	9.5	108	88	35	0	1	2	0
VA NORFOLK	74	53	90	48	64	1	1.4	.7	1.4	4.0	57	9.2	65	82	39	1	0	1	1
RICHMOND	80	50	93	39	65	3	T	-.7	T	2.3	34	7.7	59	79	28	1	0	0	0
ROANOKE	78	51	90	40	64	4	.1	-.7	.1	3.1	43	6.8	52	72	28	1	0	1	0
WA COLVILLE	59	38	69	28	48	-2	.4	.1	.2	5.2	217	10.5	172	88	61	0	2	3	0
QUILLAYUTE	53	38	58	26	46	-3	1.8	.5	.8	19.9	105	48.7	106	100	66	0	1	6	1
SEATTLE-TACOMA	56	42	62	37	49	-2	.6	.2	.2	4.4	72	17.4	106	91	46	0	0	5	0
SPOKANE	56	37	68	28	47	-3	.8	.5	.4	3.2	127	8.4	127	84	41	0	2	4	0
YAKIMA	61	33	67	25	47	-6	T	0	T	.9	77	4.0	118	82	29	0	3	2	0
WV BECKLEY	72	47	85	33	59	4	T	-.8	T	4.3	53	8.5	58	74	27	0	0	2	0
CHARLESTON	76	49	89	38	63	3	0	-.8	0	3.3	41	9.7	67	75	25	0	0	0	0
HUNTINGTON	77	50	91	38	63	3	T	-.8	T	2.5	32	7.4	53	75	22	1	0	1	0
PARKERSBURG	73	47	90	35	60	2	T	-.9	T	3.8	49	8.9	61	81	26	1	0	0	0
WI GREEN BAY	67	42	84	28	54	5	.2	-.5	.2	4.8	97	6.2	87	84	40	0	2	3	0
LA CROSSE	69	46	83	36	58	4	.4	-.4	.3	5.3	99	6.7	93	85	44	0	0	2	0
MADISON	67	43	82	27	55	4	.2	-.5	.2	3.8	68	7.5	97	84	41	0	1	3	0
MILWAUKEE	65	45	80	33	55	5	.3	-.4	.3	3.7	59	8.5	92	82	41	0	0	3	0
WAUSAU	66	43	85	30	55	5	.4	-.4	.3	4.7	92	6.0	86	86	38	0	1	3	0
WY CASPER	69	33	82	24	51	4	T	-.4	T	2.4	90	3.7	97	83	23	0	3	1	0
CHEYENNE	67	37	78	30	52	5	.1	-.4	.1	2.7	113	3.4	106	77	27	0	2	1	0
LANDER	67	37	82	28	52	5	T	-.6	T	2.6	73	4.0	85	63	22	0	3	0	0
SHERIDAN	67	35	87	28	51	3	T	-.5	T	2.0	60	3.8	79	85	32	0	3	0	0
PR SAN JUAN	85	72	86	70	78	-1	6.1	5.0	3.0	13.3	208	16.7	146	98	70	0	0	6	3

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

April Weather and Crop Summary

HIGHLIGHTS: Precipitation was adequate to excessive through most of the Great Plains. However, parts of the southern Plains from southeastern Texas to western Texas and north through western Kansas was far too dry. Persistent rain in the northern Plains slowed planting progress. Dry weather continued through the Southeast. The area from the lower Mississippi Valley to the Ohio River and southeastward had less than half the normal rain. A late-season cold outbreak pushed into the upper Mississippi Valley late in the month and spread southeastward. Temperatures dropped to the low twenties from the upper Mississippi Valley to the upper Ohio Valley and into Kentucky. Unusually warm weather followed the cold outbreak.

FIRST WEEK...Showers and thunderstorms produced moderate to heavy rain through most of the Great Plains. Little or no rain fell from southwestern Texas to western Kansas or in the Southeast. Showers fell in the Rockies and snow fell from Utah through Colorado and onto the High Plains in Nebraska and South Dakota. Moderate rain fell through the Great Lakes region, and light rain covered the Ohio Valley and from the central Appalachians to New England. Temperatures were warmer than normal in all of the Nation except southern Florida.

SECOND WEEK...A persistent low pressure system in southeastern Canada caused snowshowers from the eastern Great Lakes to the central Appalachians and northward. Light rain fell east of the mountains. Later, a cold outbreak into the northern Plains and Rockies brought snow and strong northeasterly winds to the High Plains from western Nebraska through Montana. Blizzard-like conditions caused stress to livestock. Showers and thunderstorms spawned a tornado in southern California. The Southeast was still dry.

THIRD WEEK...Blizzard conditions prevailed early in the week in the northern High Plains. Later, heavy rain and rapidly melting snow caused flooding in western Nebraska and South Dakota. Thunderstorms produced widespread tornadoes from west-central Texas into Oklahoma and Arkansas. Showers and thunderstorms covered most of the Mississippi Valley. Heavy rain fell from south-central New York through New Jersey, and lighter rain covered the Northeast. Snow fell in the Appalachians from West Virginia northward. Mostly dry weather prevailed from Georgia through the Carolinas.

FOURTH WEEK...A late-season cold outbreak pushed into the upper Mississippi Valley. By midweek record-cold temperatures reached from the lower Missouri Valley through the western and central Great Lakes region and the Southeast. Temperatures in the lower twenties were common from the Great Lakes through the upper Ohio Valley. Late-week warming brought record-warm weather to the area. Showers and thunderstorms dropped moderate to heavy rain from northern Arkansas to the eastern Great Lakes while light rain fell along the Northeast coast. Later, a Pacific storm brought rain to the northwest coast, snow to the Cascades and northern Rockies, and severe weather to much of the central and northern Great Plains. A few light showers fell in parts of the Southeast.

In the last 4 days of the month, thunderstorms caused moderate to heavy rain through the eastern Great Plains. The showers moved eastward through the Great Lakes and Ohio Valley, but little or no precipitation fell across the South and in the East Coast States.

APRIL FIELDWORK

Wetness delayed land preparation and seeding in the Corn Belt, central and northern Great Plains, and Rockies during most of April. Winter-like temperature slowed growth and germination during the month across the Rockies and northern Plains. The fourth week of April, freezing temperatures slowed crop growth, prevented germination and damaged fruit crops in the Pacific Northwest, the central and northern Great Plains, the Corn Belt, and from the Northeast as far south as north Georgia. Fruit crops were damaged severely in some areas, but damage to small grains was not expected to be heavy. Land preparation progressed well in the Southeast but dryness slowed small grain planting and development. The lack of moisture plagued the Southeast and Texas most of April.

Corn planting, at the beginning of April, was limited mostly to the southern States but was underway as far north as Kansas. On April 27 planting neared completion in the Southeast. Nationally, 16% of the acreage was seeded, 5 points ahead of normal. Seeding was underway in all major producing States except South Dakota and Wisconsin.

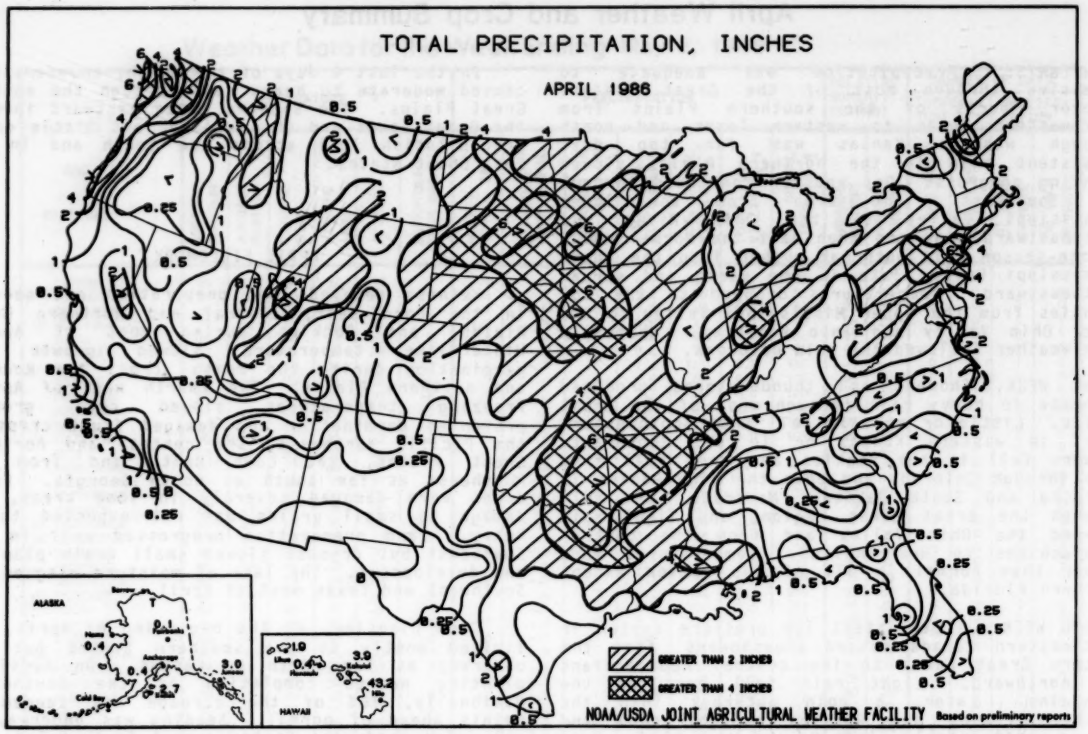
Near the end of April, cotton was 28% seeded in the 14 major producing States, a little behind 1985, but 1 point in front of normal. Planting was ahead of, or equaled, the norm in all States except California, Georgia, and South Carolina. Dryness caused seeding delays in Georgia and South Carolina.

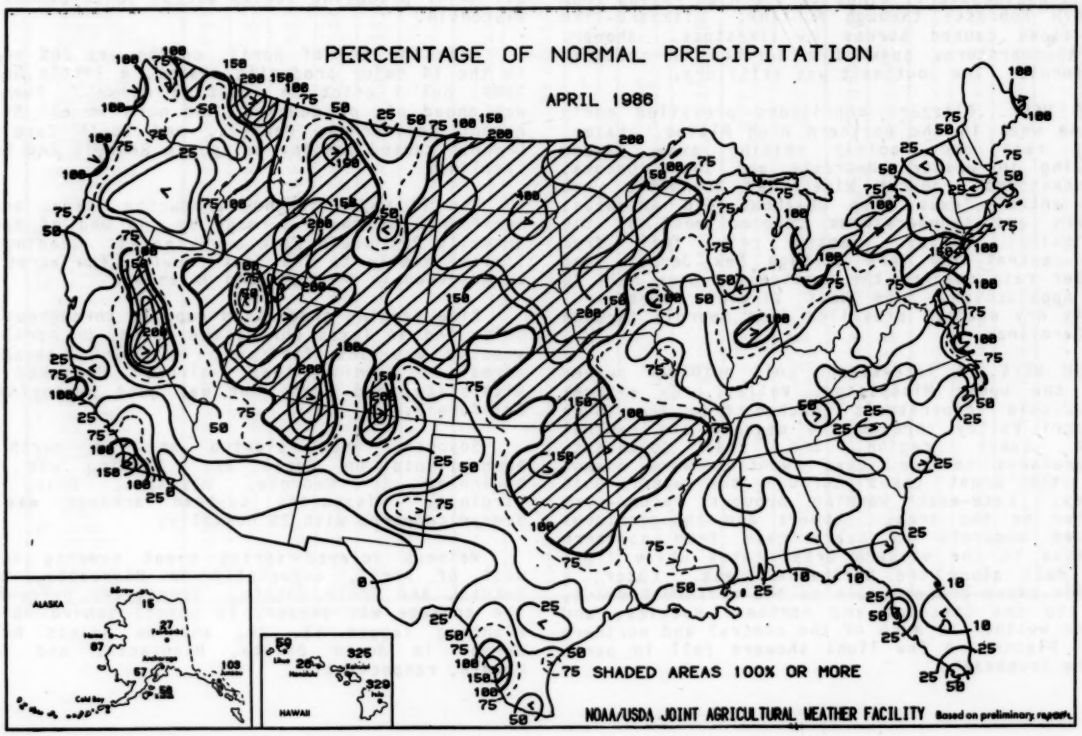
The 11 major sorghum producing States seeded one-fourth of their acreage by the end of April. Normally 22% would have been seeded. Seeding was limited mostly to the South, but a few acres had been seeded in Missouri and Oklahoma.

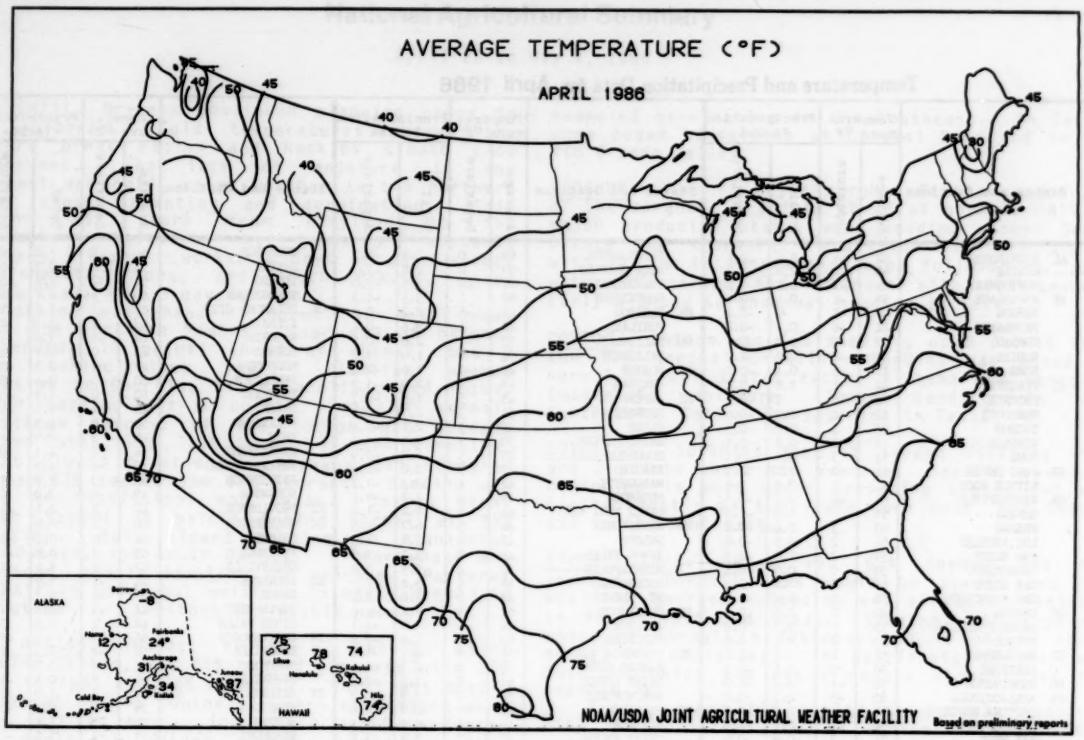
Rice seeding progressed rapidly throughout the Delta and in Texas during the month. On April 27, seeding was 56% finished, 18 points ahead of normal. Seeding was almost finished in Mississippi and Texas but was just beginning in California.

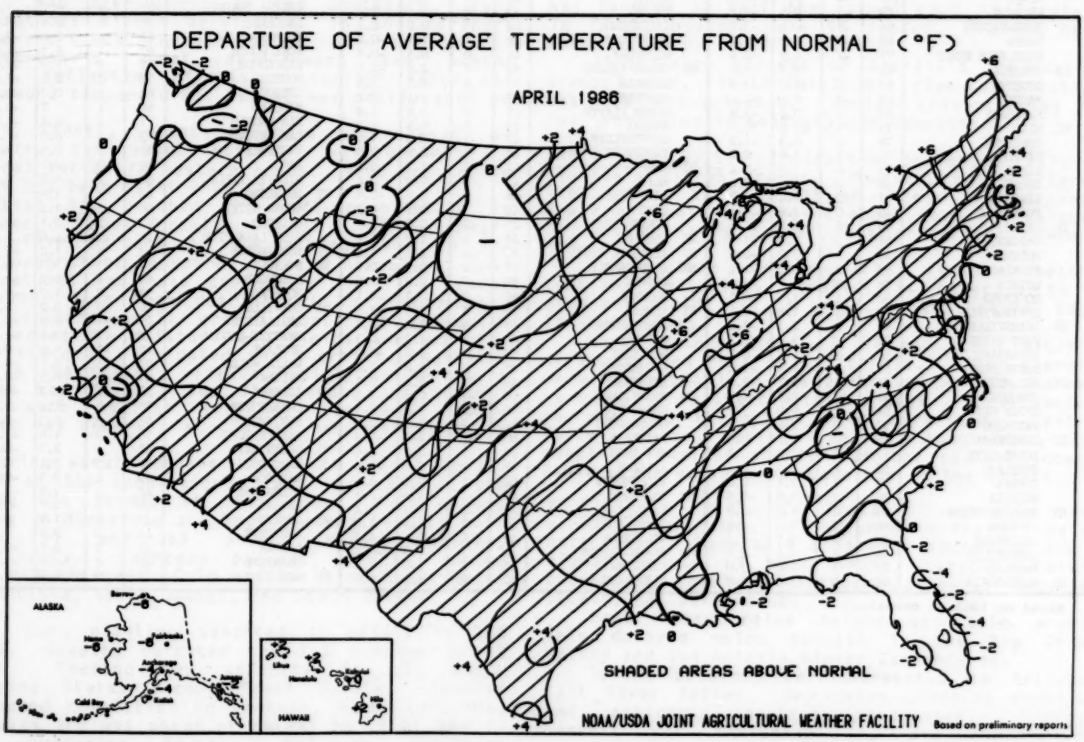
Soybeans were planted as far north as Pennsylvania on April 27. Seeding was just beginning in Georgia, Missippi, Ohio, and Virginia. Missouri's soybean acreage was 3% seeded compared with 2% normally.

Wetness delayed spring wheat seeding during most of April, especially in Minnesota, North Dakota, and South Dakota. Twenty-two percent of the acreage was seeded, 13 points behind normal. Planting lagged 13, 26, and 35 points behind normal in North Dakota, Minnesota, and South Dakota, respectively.


TOTAL PRECIPITATION, INCHES
APRIL 1986
GREATER THAN 2 INCHES
GREATER THAN 4 INCHES
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports
ALASKA
HAWAII


PERCENTAGE OF NORMAL PRECIPITATION
APRIL 1986
SHADED AREAS 100% OR MORE
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports
ALASKA
HAWAII


AVERAGE TEMPERATURE (°F)
APRIL 1986
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
APRIL 1986
SHADED AREAS ABOVE NORMAL
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

Temperature and Precipitation Data for April 1986

States and Stations	Temperature °F Average	Temperature °F Departure	Precipitation Inches Total	Precipitation Inches Departure
AL BIRMINGHAM	62	-1	0.6	-4.4
MOBILE	66	-2	2.2	-3.2
MONTGOMERY	64	-1	0.5	-3.8
AK ANCHORAGE	31	-4	0.4	-0.2
BARROW	-7	-5	T	-0.2
FAIRBANKS	24	-6	0.1	-0.2
JUNEAU	37	-2	3.0	0.1
KODIAK	34	-4	2.7	-2.2
NOME	12	-6	0.4	-0.2
AZ FLAGSTAFF	44	2	1.2	-0.2
PHOENIX	74	6	T	-0.3
PRESCOTT	54	4	0.3	-0.5
TUCSON	69	4	0.0	-0.3
WINSLOW	55	2	0.2	-0.1
YUMA	74	3	0.0	-0.1
AR FORT SMITH	63	2	7.0	2.7
LITTLE ROCK	64	1	7.0	1.6
CA BAKERSFIELD	61	-2	0.2	-0.5
EUREKA	51	1	1.5	-1.5
FRESNO	63	3	0.4	-0.8
LOS ANGELES	62	2	0.3	-0.6
RED BLUFF	59	0	1.0	-0.5
SACREMENTO	59	0	0.9	-0.4
SAN DIEGO	63	2	1.2	0.4
SAN FRANCISCO	56	1	0.4	-1.1
CO DENVER	50	2	2.6	0.8
GRAND JUNCTION	53	1	0.7	0.0
PUEBLO	53	2	0.4	0.6
CT BRIDGEPORT	51	2	1.7	-2.1
HARTFORD	51	2	1.5	-2.5
DC WASHINGTON	56	-1	2.0	-1.0
FL APALACHICOLA	65	-3	0.3	-3.0
DAYTONA BEACH	66	-4	0.4	-1.8
JACKSONVILLE	66	-2	0.9	-2.4
KEY WEST	74	-3	0.9	-0.6
MIAMI	72	-4	0.7	-2.4
ORLANDO	69	-3	0.5	-1.7
TALLAHASSEE	64	-3	0.4	-3.7
TAMPA	69	-3	1.0	-0.9
WEST PALM BEACH	71	-2	0.3	-2.9
GA ATLANTA	63	1	0.5	-3.9
AUGUSTA	63	0	1.0	-2.3
MACON	65	-1	0.1	-3.4
SAVANNAH	67	1	0.4	-2.8
HI HILO	73	1	43.2	30.1
HONOLULU	78	2	0.3	-1.2
KAHULUI	74	0	3.9	2.7
LIHUE	75	2	1.9	-1.4
ID BOISE	48	0	1.6	0.4
LEWISTON	51	0	0.4	-0.8
POCATELLO	45	0	2.6	1.4
IL CAIRO	63	3	2.8	-1.6
CHICAGO	51	3	1.9	-1.8
MOLINE	55	4	3.2	-0.8
PEORIA	55	4	1.4	-2.4
QUINCY	58	5	3.2	-0.6
ROCKFORD	52	4	2.1	-2.1
SPRINGFIELD	58	4	1.6	-2.4
IN EVANSVILLE	58	2	2.3	-1.8
FORT WAYNE	52	2	3.3	-0.3
INDIANAPOLIS	54	1	4.3	0.7
SOUTH BEND	51	3	1.9	-2.2
IA DES MOINES	54	3	5.7	2.5
DUBUQUE	51	4	2.7	-1.5
SIOUX CITY	51	1	6.0	3.7
WATERLOO	52	5	2.6	-1.0
KS CONCORDIA	56	3	3.1	0.9
DODGE CITY	57	3	2.2	0.3
GOODLAND	52	4	1.3	0.1
TOPEKA	58	3	3.1	0.0
WICHITA	59	2	1.8	-0.5
KY BOWLING GREEN	59	2	1.5	-2.7
JACKSON	60	7	1.0	-3.0
LEXINGTON	57	2	1.7	-2.4
LOUISVILLE	58	2	1.0	-3.1
PADUCAH	61	3	1.6	-3.0
LA ALEXANDRIA	68	0	3.6	-1.8
BATON ROUGE	69	0	2.9	-2.7
LAKE CHARLES	69	0	2.8	-1.3
NEW ORLEANS	67	-2	1.5	-3.0
SHREVEPORT	66	1	3.5	-1.3
ME CARIBOU	43	6	2.2	-0.4
PORTLAND	46	4	3.5	-0.4
MD BALTIMORE	53	-1	2.6	-0.7
SALISBURY	54	0	1.9	-1.2
MA BOSTON	48	-1	1.6	-2.2
CHATHAM	46	1	2.0	-1.9
MI ALPENA	45	5	1.8	-0.7
DETROIT	51	3	2.7	-0.4
FLINT	49	3	2.7	-0.4
GRAND RAPIDS	50	3	2.6	-1.0
HOUGHTON LAKE	47	5	1.8	-0.9
LANSING	49	3	2.0	-0.9
MARQUETTE	42	4	2.4	-1.3
MUSKEGON	49	4	1.8	-1.4
SAULT STE. MARI	44	5	1.2	-1.2
MN ALEXANDRIA	46	5	6.7	4.5
DULUTH	42	4	4.1	1.9
INT'L FALLS	43	5	3.3	1.7
MINNEAPOLIS	50	4	5.9	3.8
ROCHESTER	48	4	3.8	1.3
ST. CLOUD	48	5	5.6	3.2
MS GREENWOOD	65	1	1.2	-4.4
JACKSON	64	-1	1.8	-4.1
MERIDIAN	63	-2	1.6	-3.8
MO COLUMBIA	58	3	2.7	-1.2
KANSAS CITY	57	2	2.1	-1.1
SAINT LOUIS	61	5	1.2	-2.3
SPRINGFIELD	58	2	3.9	-0.2
MT BILLINGS	45	-1	2.7	0.8
GLASGOW	44	1	0.4	-0.5
GREAT FALLS	42	-1	2.8	1.3
HAVRE	42	0	0.5	-0.6
HELENA	43	1	1.1	0.1
KALISPELL	44	1	0.8	-0.2
MILES CITY	46	1	1.1	-0.2
MISSOULA	44	0	0.5	-0.5
NE GRAND ISLAND	52	2	2.5	-0.1
LINCOLN	53	2	5.7	2.9
NORFOLK	50	2	4.4	2.2
NORTH PLATTE	49	1	3.8	1.9
OMAHA	53	3	6.9	4.2
SCOTTSBLUFF	47	1	2.5	1.1
VALENTINE	45	-1	2.6	0.8
NV ELKO	42	2	1.2	0.4
ELY	43	2	1.3	0.4
LAS VEGAS	66	3	0.1	-0.1
RENO	49	3	0.8	0.3
WINNEMUCCA	47	2	0.8	-0.1
NH CONCORD	48	4	1.9	-1.2
NJ ATLANTIC CITY	50	-1	4.6	1.4
NM ALBUQUERQUE	57	2	0.3	-0.1
CLOVIS	59	2	0.2	-0.6
ROSWELL	65	3	0.3	-0.1
NY ALBANY	50	4	1.5	-1.5
BINGHAMTON	47	3	3.0	-0.1
BUFFALO	48	2	3.3	0.3
NEW YORK	53	1	3.7	-0.1
ROCHESTER	48	2	3.8	1.2
SYRACUSE	49	3	3.4	0.1
NC ASHEVILLE	56	-1	0.6	-3.3
CHARLOTTE	64	4	1.2	-2.1
GREENSBORO	61	2	0.5	-2.7
HATTERAS	60	-1	2.0	-1.3
NEW BERN	62	0	0.4	-2.6
RALEIGH	61	2	1.0	-1.9
WILMINGTON	64	1	0.4	-2.5
ND BISMARCK	42	-1	3.6	2.1
FARGO	44	2	5.3	3.4
GRAND FORKS	43	2	2.3	1.0
WILLISTON	42	0	2.6	1.3
OH AKRON-CANTON	52	3	1.8	-1.4
CINCINNATI	55	2	1.6	-2.0
CLEVELAND	50	2	3.9	0.6
COLUMBUS	54	3	1.3	-2.1
DAYTON	54	2	2.7	-0.8
TOLEDO	50	2	2.8	-0.2
YOUNGSTOWN	50	3	2.1	-1.4
OK OKLAHOMA CITY	63	3	4.4	1.5
TULSA	63	2	5.1	1.0
OR ASTORIA	48	-1	3.6	-1.0
BURNS	43	0	0.1	-0.6
MEDFORD	52	1	0.3	-0.8
PENDLETON	50	0	0.4	-0.6
PORTLAND	50	0	1.9	-0.4
SALEM	48	-1	1.3	-1.1
PA ALLENTOWN	50	0	4.3	0.4
ERIE	48	3	2.9	-0.6
HARRISBURG	54	2	4.1	0.9
PHILADELPHIA	53	0	4.5	1.0
PITTSBURGH	53	3	1.9	-1.4
SCRANTON	49	1	3.0	0.0
RI PROVIDENCE	49	2	2.1	-1.8
SC CHARLESTON	66	2	0.8	-1.8
COLUMBIA	64	0	0.4	-3.2
FLORENCE	65	2	0.3	-2.6
GREENVILLE	62	1	1.1	-3.2
SD ABERDEEN	44	-1	7.9	6.0
HURON	45	-1	5.1	3.1
RAPID CITY	44	-1	4.8	2.8
SIOUX FALLS	48	2	5.2	2.8
TN CHATTANOOGA	61	1	1.3	-3.3
KNOXVILLE	58	-1	2.3	-1.6
MEMPHIS	64	2	3.7	-2.1
NASHVILLE	61	1	0.5	-4.0
TX ABILENE	69	3	1.0	-1.4
AMARILLO	59	3	0.3	-0.8
AUSTIN	72	3	1.5	-1.7
BEAUMONT	71	2	1.5	-2.6
BROWNSVILLE	77	2	0.9	-0.7
CORPUS CHRISTI	75	2	0.7	-1.3
DEL RIO	75	3	0.8	-1.1
EL PASO	68	4	0.0	-0.2
FORT WORTH	67	1	5.3	1.7
GALVESTON	71	1	1.0	-1.6
HOUSTON	72	3	2.6	-1.6
LUBBOCK	64	4	0.7	-0.4
MIDLAND	68	4	T	-0.8
SAN ANGELO	71	4	0.1	-1.7
SAN ANTONIO	73	3	0.6	-2.1
VICTORIA	74	3	0.5	-2.1
WACO	69	2	2.7	-1.1
WICHITA FALLS	66	2	3.2	0.3
UT BLANDING	48	1	1.6	0.9
CEDAR CITY	48	1	1.4	0.4
MILFORD	47	1	2.1	1.1
SALT LAKE CITY	49	0	4.6	2.4
VT BURLINGTON	48	5	1.0	-1.8
VA NORFOLK	57	-1	3.3	0.4
RICHMOND	59	1	1.2	-1.7
ROANOKE	59	2	1.7	-1.4
WA COLVILLE	46	0	3.2	2.1
QUILLAYUTE	45	-1	6.8	-0.3
SEATTLE-TACOMA	48	1	1.4	-1.0
SPOKANE	45	-1	1.3	0.3
WALLA WALLA	53	1	1.3	-0.1
YAKIMA	47	-2	0.3	-0.2
WV BECKLEY	54	3	2.3	-1.3
CHARLESTON	58	2	1.4	-2.1
HUNTINGTON	58	3	1.0	-2.5
PARKERSBURG	56	3	1.6	-1.7
WI GREEN BAY	48	4	2.3	-0.4
LA CROSSE	52	5	3.4	0.4
MADISON	50	4	2.3	-0.8
MILWAUKEE	48	4	1.8	-1.5
WAUSAU	48	5	2.7	-0.2
WY CASPER	45	2	1.9	0.4
CHEYENNE	44	2	2.2	1.0
LANDER	45	3	2.1	-0.1
SHERIDAN	45	2	0.9	-1.1
PR SAN JUAN	79	0	8.9	5.3

Based on 1951-80 normals.

National Agricultural Summary

April 28 to May 4, 1986

HIGHLIGHTS: Dryness continued plaguing crops in the Southeast. Cold temperatures across the northern Great Plains and Rockies slowed crop development. The lack of moisture in the Southeast and cold, rainy weather in the northern Plains slowed planting and germination. Soil moisture was short from Maryland to the Southeast. Moisture was mostly adequate elsewhere. Farmers worked 4 days or more except in Minnesota, Iowa, and South Dakota, where fieldwork averaged 3 days or less.

Planting was ahead of normal in most areas except the northern Plains. Corn was 35 percent (%) seeded, 10 points ahead of normal, but 9 points behind last year. Planting neared completion in Georgia, North Carolina, and Texas. Sorghum seeding was 5 points ahead of normal. Forty-three percent of the cotton was seeded, compared with 39% last year and 37% normally. Dryness slowed planting in Alabama and Georgia. Rice was 67% seeded and 47% emerged. Seeding was ending in Mississippi and Texas. Spring wheat seeding lagged 24 points behind normal at 33% completion. Rain slowed seeding in Minnesota, North Dakota, and South Dakota. Winter wheat was 43% headed, nearly doubling the average. Pastures were fair to good, but moisture is badly needed in the Southeast. Livestock was mostly good.

SMALL GRAINS: Wheat, in 17 of the 20 major producing States, was 43% headed compared with 25% headed in 1985 and 22% normally. Wheat was mostly good except in the Southeast where conditions were mostly fair to poor. Inadequate moisture forced small grain to mature rapidly without proper growth and development in the Southeast. Cool temperatures slowed development in the northern Plains and Rocky Mountain States.

Nebraska's wheat development was behind normal, reflecting effects of earlier frost and low ground temperatures. Wheat was mostly good to fair.

In Kansas, wheat progress was ahead of schedule, but short moisture was becoming a critical factor in western areas. Wind and freeze damage has been light thus far.

Wheat had reached the soft-dough stage in Oklahoma, considerably ahead of normal. Thirty-five percent of the acreage was in the soft-dough stage, compared with 1% normally. Cool temperatures and rain are needed to fill heads. Dry winds have been detrimental to development. Texas dryland small grains continued suffering from inadequate moisture and yields are expected to be reduced. Irrigated small grains progressed well in the Plains. Fields rapidly turned color in the Low Plains, the Blacklands, and central areas with harvest expected to begin soon. Harvest was underway at Coastal Bend and in south Texas.

Spring wheat seeding lagged 24 points behind normal at 33% completion. Last year 75% of the acreage was seeded at this time. Rain slowed seeding in Minnesota and South Dakota leaving both States 51 and 53 points behind normal, respectively. Fourteen percent of the spring wheat was emerged. Cold weather slowed emergence in Minnesota, North Dakota, and South Dakota.

CORN: Corn planting advanced 19 points to 35% seeded. Seeding outpaced the 25% average by 10 points. Seeding was underway in all major producing States except South Dakota. Seeding approached completion in Georgia, North Carolina, and Texas and was ahead of normal in 12 of the 17 major producing States. Moisture shortages hampered germination in the Southeast. In Texas, corn began tasselling at Coastal Bend and in the Rio Grande Valley.

SORGHUM: The 11 major sorghum States seeded 29% of the sorghum, 5 points ahead of normal. All 11 major producing States were seeding except South Dakota and Nebraska. Louisiana led all States with 77% of its acreage planted followed by Texas with 69% seeded and Arkansas with 63% seeded. Early-planted sorghum was heading in Texas.

COTTON: Cotton was 43% seeding, up 6 points from the 37% seeded normally. Seeding was ahead of normal in all States except Alabama and Georgia. Inadequate moisture slowed seeding in the Southeast. Cotton was squaring in Texas.

SOYBEANS: Soybeans were 4% seeded equaling 1985 and 2 points above the average. Seeding was just beginning in most major producing States but was limited mostly to the lower Corn Belt, the Delta, and in the Southeast.

OTHER CROPS: Rice was 67% seeded and 47% emerged. Normally 51% would be seeded and 31% would be emerged. Seeding was virtually finished in Mississippi and Texas. Seeding was 20 points ahead of normal in Arkansas and 15 points above normal in Louisiana. In California seeding was just beginning and was 2 points slower than the average 7%.

Peanuts were 27% seeded in Georgia compared with 35% normally. North Carolina producers had seeded more than a third of their crop. Seeding was running at half the normal pace in Virginia. In Texas, peanuts were 9% seeded, 1 point below normal.

Ninety-nine percent of Georgia's tobacco was transplanted. North Carolina's flue-cured tobacco was 47% transplanted. Burley transplanting was just beginning in Kentucky and Tennessee.

FRUIT AND NUTS: Irrigation prevented wilt in Florida's citrus groves. However, foliage turned light green as a result of stress from dryness. New crop fruit progressed about normal. Valencia harvest was very active, but grapefruit movement slowed.

In eastern Texas early variety peaches continued maturing. Quality is expected to be good but yields may be lower. Light harvest began in south Texas.

Warm weather aided sizing and rapid maturity of fruits and nuts in California. Early cherries were harvested in a few areas and apricot harvest is expected to start within a week. Early variety peaches and nectarines were harvested. Central Valley lemon harvest neared completion, but supplies remained steady from the southern coast. Table grape harvest was underway in the desert.

VEGETABLES: Most of Florida's vegetable areas were very dry. Sunburned fruit became noticeable. Vegetable shipments increased due to higher volume of snap beans, carrots, celery, cucumbers, eggplant, lettuce, peppers, potatoes, squash, and watermelons.

East Texas rains helped vegetable growth. Rain delayed melon harvest in the Rio Grande Valley and San Antonio-Winter Garden area.

Spring potatoes were harvested in Arizona's Salt River Valley. Dry onion clipping continued and artichoke packing progressed. Broccoli harvest was finishing up, and other mixed

(Continued on back cover)

CROP PROGRESS

FOR WEEK ENDING MAY 4, 1986

WINTER WHEAT
% HEADED

	1986	1985	AVG.
ARK	93	71	NA
CALIF	85	85	80
COLO	2	2	0
GA	89	91	79
IDAHO	0	0	0
ILL	15	5	9
IND	0	3	0
KANS	45	15	10
MICH	0	0	0
MO	34	15	16
MONT	0	0	0
NEBR	0	0	1
N MEX	80	NA	NA
N C	70	NA	NA
OHIO	0	0	0
OKLA	95	50	50
OREG	0	0	0
S DAK	0	0	0
TEX	81	63	54
WASH	0	0	0
20 STATES	45	NA	NA
EXCL. STATES WITH NA	43	25	22

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE

RICE
% PLANTED

	1986	1985	AVG.
ARK	66	37	46
CALIF	5	5	7
LA	89	78	74
MISS	95	76	58
TEX	99	73	88
5 STATES	67	47	51

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

CORN
% PLANTED

	1986	1985	AVG.
COLO	48	40	30
GA	94	99	92
ILL	66	64	31
IND	40	55	15
IOWA	20	52	27
KANS	60	40	25
KY	68	50	32
MICH	15	20	15
MINN	4	20	17
MO	69	71	38
NEBR	20	10	10
N C	93	91	77
OHIO	35	70	30
PA	20	24	13
S DAK	0	11	6
TEX	99	94	89
WIS	9	16	9
17 STATES	35	44	25

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

SPRING WHEAT
% PLANTED

	1986	1985	AVG.
IDAHO	78	62	74
MINN	11	71	62
MONT	65	65	65
N D	26	74	42
S DAK	21	97	74
5 STATES	33	75	57

THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.

SPRING WHEAT
% EMERGED

	1986	1985	AVG.
IDAHO	55	25	31
MINN	3	35	24
MONT	30	25	25
N D	7	30	14
S DAK	14	71	41
5 STATES	14	36	23

THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.

RICE
% EMERGED

	1986	1985	AVG.
ARK	36	32	18
CALIF	1	0	1
LA	82	62	62
MISS	64	61	30
TEX	83	52	70
5 STATES	47	37	31

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

SOYBEANS
% PLANTED

	1986	1985	AVG.
ALA	6	7	4
ARK	5	0	3
GA	3	10	4
ILL	6	5	2
IND	4	6	0
IOWA	0	3	1
KANS	3	1	1
KY	5	1	1
LA	4	2	3
MICH	0	0	0
MINN	0	2	1
MISS	7	3	4
MO	8	6	4
NEBR	0	0	0
N C	6	7	6
OHIO	5	10	6
S C	0	2	3
S DAK	0	0	0
TENN	3	4	3
19 STATES	4	4	2

THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEAN CROP.

WEEKLY CROP WEATHER CONDITION PERCENT REPORT
FOR WEEK ENDING MAY 4, 1986

WINTER WHEAT

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	0	56	44	0
CALIF	0	0	0	25	75
COLO	7	2	20	61	10
GA	8	37	46	9	0
IDAHO	0	3	9	82	6
ILL	5	16	53	24	2
IND	0	6	58	34	2
KANS	8	15	24	38	15
MICH	5	5	30	20	40
MO	0	41	45	13	1
MONT	0	0	30	70	0
NEBR	0	0	33	61	6
N MEX	0	59	7	34	0
N C	0	28	59	13	0
OHIO	0	2	35	50	13
OKLA	0	0	40	60	0
OREG	0	0	60	38	2
S DAK	0	0	13	55	31
TEX	1	19	56	23	1
WASH	0	0	25	65	10

SPRING WHEAT

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
IDAHO	0	0	10	87	3
S DAK	1	0	7	69	23

RICE

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	5	40	45	10
LA	0	0	38	62	0
MISS	0	0	51	49	0
TEX	0	0	19	72	9

CORN

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
GA	3	25	65	7	0
TEX	0	9	40	46	5

GRAIN SORGHUM

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	0	50	45	5
LA	0	0	55	39	6
MISS	0	8	59	33	0
TEX	0	5	54	39	2

COTTON

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARIZ	0	0	0	100	0
ARK	0	5	18	72	5
CALIF	0	0	0	50	50
GA	0	19	81	0	0
LA	0	0	80	20	0
MISS	0	5	52	43	0
N MEX	0	0	33	67	0
S C	0	56	44	0	0
TEX	0	0	45	45	10

SOYBEANS

STATE	VERY-POOR	POOR	FAIR	GOOD	EXCELLENT
ARK	0	23	36	24	17

COTTON
% PLANTED

	1986	1985	AVG.
ALA	46	67	52
ARIZ	95	92	90
ARK	35	28	30
CALIF	90	90	89
GA	18	51	38
LA	74	47	43
MISS	55	35	42
MO	38	8	18
N MEX	60	75	54
N C	70	75	43
OKLA	15	5	2
S C	65	91	70
TENN	40	25	26
TEX	23	22	19
14 STATES	43	39	37

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

SORGHUM
% PLANTED

	1986	1985	AVG.
ARK	63	43	49
ILL	5	0	1
KANS	3	2	1
LA	77	71	61
MISS	55	44	28
MO	19	8	8
NEBR	0	0	1
OKLA	10	5	5
S DAK	0	0	0
TENN	30	15	NA
TEX	69	65	66
11 STATES	29	24	NA
EXCL. STATES WITH NA	29	25	24

THESE 11 STATES PRODUCED 94% OF THE 1985 SORGHUM CROP.

NA - NOT AVAILABLE

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures averaged 1 or 2° below normal. Rainfall totals 0.10 in. or less.

Days suitable for fieldwork 6.8. Soil moisture 100% short. Fieldwork progress behind schedule. Dry weather continued to hamper plant growth throughout State. Primary activities: Planting corn, cotton, peanuts, sorghum; land preparation; fertilizer lime application; machinery repair; care of livestock poultry; general farm chores.

ALASKA: Weather mostly sunny, warm with cool nights. Railbelt temperature maximums ranges 1 to 5° above normal. Minimums ranges 4° below to 5° above normal. Precipitation below normal, most areas.

Days suitable for fieldwork 6.0. Soil moisture supplies 40% adequate, 60% surplus. Many areas water standing in fields, frost underneath. Some progress, lighter soils. Spring fieldwork progress on schedule. Livestock good. Some areas hay and silage supplies short. Seeding commercial hardy vegetables began midweek.

ARIZONA: Sunny, warm, windy weather dominated. Light showers, thunderstorms 2nd, 3rd White Mountains southward. Warming trend last half week; upper 70s high country, middle 80s 5,000 ft., 95 to 107° lower deserts. Average temperatures 3 to 9° above normal.

Wheat 100% jointing, 100% 1985; 96% heading, 96% 1985; 45% turning color, 60% 1985. Wheat, barley good to excellent. Poco variety barley combined. High winds west caused lodging. Cotton stands 1 to 3 in., rated good. Weed, insect problems minimal. First, second cutting alfalfa advanced. Crop good to excellent. Harvest moderate to heavy. Hay movement slow. West, high winds hampered curing, but promoted good regrowth. Corn progressing, planting continued. Sorghum fieldwork continued. Safflower in bloom. Spring potatoes harvested Salt River Valley. Dry onion clipping continued. Artichoke packing progressed. Broccoli harvest finishing up, other mixed vegetables shipped. Melon crops good. Grape crops continued to mature. Range, pasture conditions above normal. Heavy winds dried soil past several weeks. Annual grasses drying up fast. Early summer rains needed. Cattle fair to excellent. Sheep good to excellent, except northeast poor to fair.

ARKANSAS: Temperatures edged closer to normal. Temperature extremes 37°; 88°. Rainfall 0.17 to 4.31 in.

Days suitable for fieldwork 4.0. Soil moisture 6% short, 62% adequate, 32% surplus. Flies, ticks major problem. Land preparation, planting, weed control major activities. Strawberry harvest active. Disease, insect pressure increasing on wheat. Freeze damage evident in wheat.

CALIFORNIA High pressure dominated as next low pressure system moved toward State. Storm slow reach State. Late week rain northern State, temperatures near slightly below normal. Low pressure little influence on southern State, no rain. Temperatures averaging 3 to 4° above normal.

Warm days, good growth, small grains maturing. Rice fields flooded, started planting. Cotton planting winding up. Sugarbeet leafhopper control applied. Field corn good growth. Grain hay cut, cured, baled. Growers continued to spray, cultivate many crops. Warm weather aided sizing, rapid maturity fruits, nuts. Apricot harvest within week. Early variety cherries harvested, few areas, light crop. Mildew, pest control grapes. Applications gibberellic acid table grape varieties. Very light harvest table varieties, desert. Kiwifruit bloom continued. Early varieties stone fruits thinned. Harvest started limited volume early peach, nectarine varieties. Olive, pomegranate blooms continued. Central valley lemon harvest nearing completion, picks southern coast remained steady. Artichoke volume seasonal decline, fairly light, variable quality, Salinas. Asparagus Huron District significant reduction packed volume. Bell pepper fairly light Coachella Valley. Planting bell peppers progressed central San Joaquin. Broccoli fairly heavy Salinas, Santa Maria, quality variable. Carrot very light, variable quality, Salinas, one shipper

operating. Carrot digging active Imperial Valley-Coachella Valley. Cauliflower moderate Salinas, fairly light Santa Maria, variable quality. Celery harvest expected 5th both Santa Maria-Oceano, Los Angeles-Orange county areas. Sweet corn picked up volume Coachella Valley. Greenhouse cucumbers harvested Fresno, cucumber fields blooming Tulare. Lettuce heavy good quality Salinas, moderate, variable quality Santa Maria. Decrease volume expected due to planting gap caused by rain. Lettuce harvest central San Joaquin light, only one shipper operating. Quality variable, price generally good. Melon planting continued Merced-Atwater area. Most fields emerged, being cultivated central San Joaquin. Few cantaloup, watermelon harvested Imperial Valley. Onion plantings blooming Delta, grading resumed active pace Imperial Valley. Red onions Fresno allowed to cure. Freezer pea harvesting continued Merced-Atwater. Fall potato movement Tulelake-Butte Valley active. Field preparation, seed cutting accomplished, no planting, farmers busy financing. Spring planted potatoes Perris-Hemet good color, growth. Strawberry harvest south coast maximum production fair quality. Strawberries Fresno very good quality, majority to processors. Sweetpotato planting progressed Merced-Atwater, as fields Sacramento Valley, Tulare progressing well. Desert tomatoes fresh, processing, good sets. Range grasses continued dry out, warm weather. Livestock movement summer ranges, pastures increased. Cattle good flesh, movement summer grazing areas.

COLORADO: Temperatures averaged 1 to 6° above normal. Precipitation totals averaged none to 0.54 in.

Days suitable for fieldwork 6.1. Soil moisture 15% very short, 30% short, 55% adequate. Winter wheat developing rapidly, fair to good. Barley 95% seeded, 85% 1985, 84% avg.; 68% emerged, 60% 1985, 50% avg. Oats seeded 76%, 73% 1985, 67% avg. Livestock good; range, pasture fair to good. Calving, lambing progress ahead of normal.

FLORIDA: Very warm, clear dry days, cool nights. High fire danger with numerous grass, brush fires. No rain statewide except widely scattered thunderstorms south afternoon of 4th with few spots 1.00 in. or more. Temperatures mostly below normal north, above normal south.

Soil moisture short to very short. Crops stressed. Spring plantings delayed. Corn growth slowed, irrigation active where available. Tobacco good. Wheat fair, maturing rapidly. Grazing poor to fair Panhandle; fair to good, lower southern Peninsula, very poor elsewhere. Cattle fair Panhandle, north; fair to good elsewhere. Rain needed citrus areas; irrigation preventing serious wilt. New crop fruit progressing about normal, light green foliage reflecting tree stress from dryness. Valencia harvest very active, grapefruit movement slowing, Temple harvest about over for season. Warm days, mild nights, no appreciable rain predominated over vegetable producing areas until widely scattered thunderstorms extreme south weekend. Temperatures ranged lows in 60s, high 80s to low 90s. Most areas very dry. Winds mostly light to moderate. Sunburned fruit becoming noticeable. Dade County harvest ended most crops. Pompano, Everglades, southwest producing bulk of supply. Central areas light supplies expected increase rapidly. Shipments increased due to higher volumes snap beans, carrots, celery, cucumbers, eggplant, lettuce, peppers, potatoes, squash, watermelons offsetting decline in cabbage, cauliflower, sweet corn, escarole, radishes, strawberries. Tomatoes virtually steady.

GEORGIA: Dry weather, most locations no rain. Less than 0.25 in., rain 1 day north. Temperatures 60s north to low 70s south. Averages several degrees above normal, east to several degrees below normal, north. Average 4 in. soil temperatures 65° mountains to 83° south.

Days suitable for fieldwork 6.2. Soil moisture 90% very short, 10% short. Sorghum grain 3% very poor, 26% poor, 64% fair, 7% good; 20% planted, 41% 1985, 19% avg. Peanuts 2% very poor, 32% poor, 58% fair, 8% good; 27% planted, 60% 1985, 35% avg. Tobacco 27% poor, 67% fair, 6% good; 99% transplanted, 100% 1985, 97% avg. Watermelons 19% poor, 79% fair, 2% good; 91% planted, 99% 1985, 92% avg. Rye 9% very poor, 34% poor, 48% fair, 9% good. Other small grains 8% very poor, 37% poor, 47% fair, 8% good. Apples 2% very poor, 11% poor, 58% fair, 27% good, 2% excellent; 99% blooming, 95% avg. Peaches 2% very poor, 10% poor, 65% fair, 21% good, 2% excellent. Pasture 17% very poor, 43% poor, 36% fair, 4% good. Cattle 1% very poor, 14% poor, 58% fair, 26% good, 1% excellent. Hogs 7% poor, 48% fair, 44% good, 1% excellent. Main activities: Planting and herbicide applications slowed-soil too dry. Irrigating where possible.

HAWAII: Weather mostly sunny, few passing showers windward, mountain areas. Winds northeasterly 15 to 30 mph diminishing 10 to 20 mph over weekend. Temperatures ranged mid 60s to high 80s. Rainfall ranged 0.10 to 5.60 in.

Days suitable for fieldwork 7.0. Soil moisture adequate. Persistent gusty winds disrupted spray operations many areas; insect, disease infestations increase some farms. Sugarcane, pineapple harvesting active. Yields leafy vegetables, vine crops depressed. Intensified spray schedules minimized disease papaya orchards; shipments steady.

IDAHO: Temperatures at or below normal over most of State. Readings cool all but last day of period. Precipitation above normal southeast and Panhandle. Rainfall over rest of State slightly below normal.

Days suitable for fieldwork 5.0. Seeding small grains progressed rapidly. Emergence small grains ahead of past years. Not much growth due to cool weather. Some frost damage to early plantings of sugarbeets, fruit. Winter wheat good. Hay, roughage good. Livestock good. Potatoes 34% planted, 23% 1985, 30% avg.

ILLINOIS: Temperatures averaged none to 6° above normal northwest and southeast, rest of State 1 to 2° below normal. Precipitation 0.08 to 1.79 in, heaviest northwest and central, lightest southeast.

Days suitable for fieldwork 5.3. Soil moisture 42% short, 53% adequate, 5% surplus. Winter wheat mostly fair. Alfalfa 2% very poor, 7% poor, 40% fair, 50% good, 1% excellent. Oats planted 98%, 98% 1985, 88% avg. Pasture 3% poor, 34% fair, 57% good, 6% excellent. Livestock roughage from pastures 70%, 79% 1985, 66% avg. Major farm activities: Seeding soybeans and corn, spreading fertilizer, applying herbicides; general farm maintenance.

INDIANA: Average temperatures 1 to 2° below normal. Freezing temperatures many areas. Maximums 70s, low 80s. Above normal rainfall except south. Totals 1 to over 4 in. north and central 0.25 to 0.75 in. south.

Fieldwork averaged 4.2 days. Topsoil moisture 5% short, 65% adequate, 30% surplus. Subsoil moisture 10% short, 75% adequate, 15% surplus. Spring cropland tilled 93%, 87% 1985, 80% avg. Dry soils first half of period allowed rapid progress of fieldwork. Wheat mostly fair to good; none headed, 3% 1985, none avg.; 55% jointed, 70% 1985, 40% avg. Wheat 5% in boot; 12 in. high, 14 in. 1985, 10 in. avg. Oats 95% seeded, 97% 1985, 90% avg. Oats 4 in. high, 5 in. 1985, 3 in. avg. Clover 97% seeded, 97% 1985, 90% avg. Tobacco beds 100%

seeded, 98% 1985. Less than half apple, peach buds alive.

IOWA: Mild week with showers, thunderstorms early week, turning cooler, dry after 1st. Precipitation subnormal north, west central, southeast districts; elsewhere moderate to heavy.

Days suitable for fieldwork 2.5. Topsoil moisture 1% short, 57% adequate, 42% surplus; subsoil moisture 1% short, 77% adequate, 22% surplus. Winter wheat 6% very poor, 15% poor, 39% fair, 33% good, 7% excellent; hay 1% very poor, 5% poor, 32% fair, 54% good, 8% excellent. Rains keep corn planting behind normal, except southeast third State. Oats sown 95%, 100% 1985, 89% avg.; emerged 70%, 93% 1985, 54% avg. Seedbed preparation 68% completed; fertilizer application 70% completed, 91% 1985, 78% avg. Livestock good; mud causing some stress. Pastures mostly good; cool temperatures slow growth. Other farm activities: General livestock care, farm maintenance, usual chores.

KANSAS: Precipitation 1.00 to 1.75 in. central, east; 0.50 to 0.75 in. west. Temperatures averaged 63 to 66°, 2 to 5° above normal central, east; 7 to 9° above normal west.

Days suitable for fieldwork 4.5. Soil moisture 38% short, 53% adequate, 9% surplus. Wheat, light wind, freeze damage. Wheat streak mosaic visible some areas. Crop progress ahead schedule, but short moisture critical factor western areas. Corn plantings excellent progress despite rains. Sorghum, soybean planting early stages. Seedbed preparation complete. First cutting alfalfa hay started, alfalfa weevil damage noted. Range, pasture short west, adequate elsewhere.

KENTUCKY: Scattered light rain. Precipitation continued well below normal. Most stations 0.33 to 0.50 in. rainfall. Normal around 1.00 in. All stations below normal rainfall since April 1. Daily high temperatures averaged 70s, nighttime lows mid 40s to around 50°. Extreme high temperatures topped 90°, extreme minimums mid and upper 20s.

Days suitable fieldwork 5.3. Soil moisture 93% short, 7% adequate. Corn planting continued ahead of normal, 40% planted, 40% emerged. Soybean planting underway. Tobacco growers continued watering beds. Some reseeding. Setting begun, generally 1 to 2 weeks away. Freeze damage heavy some barley. Wheat 14% poor, 50% fair, 30% good, 6% excellent; 35% headed. Hay, pastures need rain. Alfalfa harvest underway. Fruit 60% poor, 25% fair, 13% good, 2% excellent.

LOUISIANA: Temperature normal to 2° below. Temperature extremes 47°; 88°. Rainfall averaged 0.10 to 3.50 in. across State.

Days suitable for fieldwork 5.5. Soil moisture 36% short, 54% adequate, 10% surplus. Spring plowing 97% complete, 93% 1985, 89% avg. Corn fair to good; 99% planted, 97% 1985, 90% avg.; 98% emerged, 94% 1985, 84% avg. Cotton 74% planted, 47% 1985, 43% avg.; 46% emerged, 32% 1985, 23% avg. Rice 89% planted, 78% 1985, 74% avg.; 82% emerged, 62% 1985, 62% avg. Sorghum 77% planted, 71% 1985, 61% avg.; 61% emerged, 56% 1985, 44% avg. Soybeans 4% planted, 2% 1985, 3% avg. Sweetpotatoes fair to good; 23% planted, 26% 1985, 24% avg. Winter wheat fair; 99% headed, 88% 1985, 90% avg.; 49% turning color, 43% 1985, 42% avg. Hay first cutting 11% complete, 16% 1985, 12% avg. Sugarcane fair to good. Strawberry harvest continued. Vegetables, pasture, livestock fair to good. Main activities: Spring plowing, planting corn, cotton, rice, sorghum, soybeans, sweetpotatoes; baling hay; applying fertilizers.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 5° above normal over State; lowest temperature 35° Oakland; highest temperature 91° Patuxent. Precipitation averaged 0.04 in., ranging from none to 0.32 in.

Days suitable for fieldwork 6.8. Topsoil moisture short; subsoil moisture short. Small grains good. Small grains headed: Wheat 5%; barley 55%; rye 79%. Planting progress: Field corn 50% planted, 68% 1985, 41% avg.; spring oats 89% planted, 95% 1985, 84% avg.; sweet corn 33% planted, 56% 1985, 47% avg.; potatoes 99% planted, 100% 1985, 96% avg.; watermelons 52% planted, 41% 1985, 34% avg.; cantaloupes 44% planted; cucumbers 55% planted, 15% 1985, 24% avg.; tomatoes 45% planted, 11% 1985, 21% avg.

Delaware: Temperatures averaged 5° above normal over State; lowest temperature 40° Georgetown; highest temperature 87° Milford, Dover, Georgetown. Precipitation averaged 0.05 in., ranging from 0.02 to 0.07 in.

Days suitable for fieldwork 7.0. Topsoil moisture short; subsoil moisture short to adequate. Small grains fair to good. Small grains headed: Barley 51%; rye 43%. Planting progress: Field corn 47% planted, 61% 1985, 47% avg.; sweet corn 55% planted, 51% 1985, 42% avg.; watermelons 7% planted, 8% 1985, 25% avg.; cantaloupes 10% planted; cucumbers 10% planted, 6% 1985, 25% avg.; tomatoes 20% planted.

MICHIGAN: Average temperatures 2 to 5° above normal most areas. Lows mid-20s to 30s; highs mid-80s. Precipitation none to 0.50 in.

Days suitable for fieldwork 5.0. Soil moisture 30% short, 65% adequate, 5% surplus. Soil erosion from high winds. Tillage behind normal. Corn 15% planted, 20% 1985, 15% avg. Oats 80% planted, 75% 1985, 65% avg. Potatoes 20% planted, 25% 1985, 30% avg. Sugarbeets 97% planted, 85% 1985, 75% avg. Wheat 5% very poor, 5% poor, 30% fair, 20% good, 40% excellent. Fruit development 10 days ahead normal. Frost damage 21st, 22rd, 4th reduced fruit potential. Too early for accurate statewide assessment. Celery planting on schedule, onion planting 95% complete. Frost hurt early asparagus. Tillage, fertilizer herbicide application, corn, sugarbeet, oat planting major activities.

MINNESOTA: Temperatures averaged 2° below normal to 2° above normal. Temperature extremes 25°; 85°. Precipitation averaged 0.11 to 0.95 in. above normal. Greatest weekly total 2.23 in.

Days suitable for fieldwork 0.7. Topsoil moisture 17% adequate, 83% surplus. Almost no planting progress, any crops. Farmers still waiting for fields to dry. Spring wheat, barley could not be planted, Red River Valley because too wet. Emergence slow to date because soil still cold. Oats 36% planted, 75% 1985, 65% avg.; 19% emerged, 46% 1985, 27% avg. Barley 10% planted, 64% 1985, 51% avg.; 6% emerged, 26% 1985 16% avg. Fall seeded grains mostly fair to good. Ground preparation, planting of field corn delayed by wet fields, all areas except southeast. Soybean ground preparation barely started; few fields planted. Hay fields mostly fair to good, winterkill light.

MISSISSIPPI: Temperatures near normal, extremes 34°; 91°. Greatest 24-hour rainfall 3.77 in.

Days suitable for fieldwork 6.0, 1.9 1985, 3.9 avg. Soil moisture 42% very short, 50% short, 8% adequate. Moisture needed for seed germination most areas. Corn 11% poor, 39% fair, 50% good; 90% planted, 87% 1985, 75% avg.; 74% emerged, 73% 1985, 55% avg. Wheat 96% heading, 90% 1985, 84% avg.; 12% ripe, 2% 1985, 3% avg.; 32% poor, 40% fair, 28% good. Sorghum 55% planted, 44% 1985, 28% avg.; 38% emerged, 8% poor, 59% fair, 33% good. Cotton 5% poor, 52% fair, 43% good; 55% planted, 35% 1985, 42% avg.; 25% emerged, 28% 1985, 21% avg. Rice 95% planted, 76% 1985, 58% avg.; 64% emerged, 61% 1985, 30% avg.; 51% fair, 49% good. Soybeans 7% planted, 3% 1985, 4% avg. Sweetpotatoes 15% planted,

peanuts 23%, watermelons 60%. Hay harvest 11 %, 3% 1985, 4% avg. Peaches 40% very poor, 40% poor, 20% fair.

MISSOURI: Temperatures 1 to 5° above normal. Rainfall widespread, amounts varied widely.

Days suitable for fieldwork 4.6. Soil moisture 34% short, 61% adequate, 5% surplus. Wheat mostly fair to poor. Tillage for spring crops 83%, 77% 1985, 73% avg. Pasture 7% poor, 44% fair, 48% good, 1% excellent.

MONTANA: Temperatures normal west, 2° above normal east. Cool first, record highs end of week, east. Precipitation light, except 1.00 in. parts of west.

Days suitable for fieldwork 4.6. Topsoil moisture 16% short, 79% adequate, 5% surplus. Subsoil moisture 18% short, 79% adequate, 3% surplus. Barley 70% seeded, 65% 1985, 65% avg. Late crop planting started. Corn 10% planted, 30% 1985, 25% avg. Potatoes 9% planted, 1% 1985, 7% avg. Calving, lambing nearly complete. Stockwater mostly adequate.

NEBRASKA: Mild week, scattered showers. Amounts averaged less than 1.00 in. Temperature averaged 1 to 6° above normal. Temperature extremes 28°; 93°.

Days suitable for fieldwork 3.6. Topsoil moisture 9% short, 60% adequate, 31% surplus. Subsoil moisture 77% adequate, 23% surplus. Wheat mostly good to fair. Development behind last year, average, reflecting effects of earlier frost, low ground temperatures. Wheat jointing 15%, 45% 1985, 30% avg. Oat planting 96%, 100% 1985, 85% avg. Corn planting 20%, 10% 1985, 10% avg. Most advanced south central, behind northeast, east. Alfalfa mostly good to fair. Anthracnose infections observed northeast. Wild hay mostly good to fair. Pasture, range mostly adequate. Muddy lots. Moving cattle to pasture. Calving season near finished.

NEVADA: Week started temperatures near seasonal normals all areas. Pacific storm front brought light precipitation, colder temperatures through midweek. High pressure with warming temperatures characterized late midweek weather. Colder Alaska air mass again dropped temperatures end of period. Precipitation reported north, central sections. Strong winds occurred all areas.

Cold, damp weather hampered fieldwork. Small grain planting progress behind both last year and normal. Alfalfa hay growth slowed by below normal temperatures. Calving, lambing, shearing slightly behind progress year ago. Potato planting resumed.

NEW ENGLAND: Relatively dry week. Precipitation 0.15 to 0.25 in. northern Maine and New Hampshire; 0.05 to 0.15 in. elsewhere. Average temperatures ranged from 50° Canadian border, above normal, to mid 50° south coast, near normal.

Days suitable for fieldwork 5.8. Soil moisture 32% short, 68% adequate, Fieldwork progress 3.2 days ahead of schedule. Available grazing 12% very short, 35% short, 53% adequate. Crops overwintered well, need moisture. Southern States potatoes 25% planted, 25% 1985, 25% avg. Alfalfa winterkill high. Field corn 3% planted, 4% 1985, 3% avg. Sweet corn 20% planted Connecticut and Massachusetts, 20% 1985. Heavy frost 4th, no damage reported. Asparagus harvest active. Major farm activities; plowing, harrowing, spreading manure, fertilizing, seeding picking rocks, repairing fences.

NEW JERSEY: Temperatures averaged near normal. Extremes 28°; 86°. Rainfall averaged 0.14 in. north, 0.05 in. central, 0.06 in. south. Heaviest 24-hour total 0.21 in. 29th, 30th. Estimated soil moisture percent field capacity averaged 88% north, 75% central, 62% south. Four inch soil temperatures averaged 53° north, 55° central, 56° south.

Near record low temperatures 4th resulted frost some areas. Blossom loss occurred on apples, blueberries, strawberries. Growth rates slowed; most fieldwork, crop progress normal. Field corn planting began. Land preparation progressed for soybeans. Barley, rye heading. Bib, Big Boston, leaf lettuce harvested. Asparagus, spinach, greens moving to market.

NEW MEXICO: Average weekly temperatures from 1 to 8° above normal. Temperatures 26° northern mountains to 95° southeastern plains. Showers, thundershowers over higher mountainous areas. Precipitation from none southeastern plains, northeastern plains, northern mountains to 1.36 in. northern mountains.

Days suitable for fieldwork 6.5, Soil moisture 88% short, 12% adequate. Hail damage 87% none, 13% light. Wind damage 6% none, 81% light, 13% moderate. Freeze damage 63% none, 25% light, 6% moderate, 6% severe. Alfalfa 57% fair, 43% good. Corn 29% fair, 71% good. Barley 33% fair, 67% good. Pecans 100% good. Apples 33% poor, 67% good. Chile 43% fair, 57% good. Onions 100% good. Lettuce 100% good. Cattle 41% fair, 59% good. Sheep 15% fair, 85% good. Range 13% poor, 87% fair.

NEW YORK: Temperatures averaged above normal. Below freezing night temperatures late week. Precipitation below normal. Most rain on 1st, due to passage of cold front. High pressure prevailed.

Days suitable for fieldwork 6.0. Soil moisture adequate. Good weather for fieldwork. Oat planting 43% complete, 62% 1985, 23% avg. Corn planting began slowly. Hay greening up. Fruit damage from frost undertermined. Pasture good.

NORTH CAROLINA: Weather warm, dry with above normal temperatures; below normal rainfall. Temperature extremes 32°; 95°. Precipitation ranged from none to 0.35 in. across State.

Days suitable for fieldwork 6.4. Soil moisture 75% very short, 25% short. Corn planting ahead of average. Moisture shortage hampering germination. Some replanting. Small grains mostly fair to poor, heading out short, suffering from dry weather. Cotton planting ahead of average. Soybean planting average. Tobacco beds 11% poor, 34% fair, 53% good, 2% excellent. Transplanting flue-cured tobacco 47%, 53% 1985, 44% avg. Peanuts 35% planted, 31% 1985, 21% avg. Sorghum 24% planted, 25% 1985, 20% avg. Irish potatoes 53% fair, 47% good. Peaches 24% poor, 33% fair, 33% good, 10% excellent. Frost 3rd damaged peaches, apples, strawberries. Earlier frost damage being realized. Truck crops 5% poor, 69% fair, 26% good. Pasture 43% poor, 51% fair, 6% good. Major farm activities: Planting corn, peanuts, tobacco, cotton, sorghum, soybeans, peppers; land preparation; tending livestock; fertilizing, spraying ornamentals, Christmas trees; cutting hay; general farm maintenance.

NORTH DAKOTA: Temperatures ranged from 1° below normal northwest to 6° below normal northeast. Low 23° several locations 28th. High 85° west central 3rd. Precipitation averaged 0.30 to 1.30 in. across State. Heaviest east.

Days suitable for fieldwork 4.5. Soil moisture supplies continued better than normal. Topsoil moisture 80% adequate, 20% surplus. Subsoil 9% short, 74% adequate, 17% surplus. Winter wheat, rye mostly good. Planting lags normal due to wet spring. Planting progress good late week west, still too wet east. Hard red spring wheat 26% planted, 74% 1985, 42% avg.; durum 18% planted, 55% 1985, 28% avg.; barley 21% planted, 74% 1985, 41% avg.; oats 36% planted, 68% 1985, 38% avg. Late season crop planting beginning stages. Corn 1% planted, 16% 1985, 6% avg.; flax 2% planted, 22%

1985, 7% avg.; potatoes 6% planted, 17% 1985, 9% avg.; sugarbeets 7% planted, 78% 1985, 64% avg. Calving 92% complete, lambing 95%. Pasture growth 80% fair to excellent.

OHIO: Temperatures highly variable averaging slightly subnormal. Extremes mid-20s to 80s. Precipitation northwest 0.50 to 0.75 in.; elsewhere 0.10 to 0.33 in. Soil temperature upper 50s.

Fieldwork 5.5 days suitable. Soil moisture 32% short, 55% adequate, 13% surplus. Corn planting moved fast; earliest corn emerged. Soybean planting widespread. Winter wheat top dressed; poor stands plowed down. Wheat height 10 in.; 11% jointed; fair to mostly good. Oats 95% planted, 95% 1985, 75% avg.; 75% emerged. Hay, pasture fair to good. Alfalfa cut south to control weevils. Many freeze damaged sugarbeets replanted. Planting staked tomatoes, carrots, harvesting asparagus. Activities included seedbed preparation, spreading fertilizer and lime, spraying herbicides, planting.

OKLAHOMA: Temperatures averaged 2° below normal southeast to 2° above normal Panhandle, Southwest. Precipitation averaged 0.05 in. west central to 1.43 in. east central.

Days suitable for fieldwork 4.7. Topsoil moisture 30% short, 55% adequate, 15% surplus. Subsoil moisture 20% short, 80% adequate. Dry winds depleted soil moisture. Wheat 40% fair, 60% good; 95% headed, 50% 1985, 50% avg.; 35% soft dough, 1% 1985, 1% avg. Southwestern fields starting to turn color. Cool temperatures, rain needed to fill heads. Dry winds detrimental to development. Sorghum 10% planted, 5% 1985, 5% avg. Cotton 15% planted, 5% 1985, 2% avg. Corn only row crop behind average planting. Pastures limited growth. Livestock marketings up, prices stable.

OREGON: Temperatures averaged cooler than normal. Coldest location, Madras averaged 11° below normal; Burns was warmest 2° above normal. Precipitation heaviest along coast, but all areas had at least 0.25 in.

Soil moisture 38% short, 56% adequate, 6% surplus; drier than last week, especially eastern region. Columbia Basin grain crops show nitrogen deficiency; need warmer soil temperatures. Barley 80% seeded, 95% 1985. Field corn planting full swing; Hermiston fields germinating. Malheur county sugarbeets good. Frost 24th caused some fruit damage Hood River Valley; Red delicious apples hardest hit. Willamette Valley thinning sprays on apples; season 3 weeks ahead of normal. Medford orchardists successfully protected from frost; tree fruit crops good. Low temperatures reduced cherry crop Union County. More frost during week damaged strawberries Willamette Valley, particularly Totems. Strawberries blossoming. No damage blueberries, raspberries. Blueberries full bloom; Red raspberries scattered bloom. Leaf roller, aphid spraying filberts. Treated cranberries to control Fireworm; growers sprinkled for light frosts 28th, 30th. Little vegetable planting Willamette Valley due to rains. Broccoli, onions emerged; green peas early flower, good crop. Malheur onions emerged, good stands. Sweet corn planting continued Willamette Valley, Medford area; 15% complete Malheur County. Early potatoes planted west. Norgolds emerging Hermiston. Ground preparation, potato planting central areas, Klamath Basin. Potatoes 80% planted Malheur, wet weather slowed progress, no emergence. Livestock mostly good. Ranges, pastures good west; fair east. Cool weather holding back grass growth eastern high country. Recent rains aided growth west. Sheep movement off grass seed winter forage onto summer range.

PENNSYLVANIA: Week began warm and dry, ended cool and dry. Average temperature 55°,3° above normal. Average precipitation 0.06 in., 0.75 in. below normal.

Days suitable for fieldwork 6.0. Soil moisture adequate to short. Plowing 77% complete, 75% 1985, 56% avg. Corn 20% planted, 24% 1985, 13% avg. Potatoes 49% planted, 62% 1985, 38% avg. Tobacco beds 85% planted, 97% 1985, 92% avg. Oats 88% planted, 87% 1985, 65% avg. Soybeans 13% planted, none 1985, none avg. Hay stands mostly good to fair. Feed from pastures mostly average to below average. Barley 89% pre-boot, 10% boot, 1% headed. Wheat 97% pre-boot, 3% boot. Wheat 2% poor, 11% fair, 62% good, 25% excellent. Oats 1% poor, 22% fair, 62% good, 15% excellent. Peaches 8% pre-pink stage, 10% pink stage, 82% full bloom or past stage; 1985, 18% pink-stage, 74% full bloom or past stage. Cherries 10% pre-pink stage, 15% pink stage, 84% full bloom or past stage; 1985, 9% pink stage, 88% full bloom or past stage. Apples 16% pre-pink stage, 22% pink stage, 62% full bloom or past stage; 1985, 15% pink stage, 78% full bloom or past stage. Activities: Planting oats, corn, potatoes; plowing, fence work, spreading fertilizer, lime.

PUERTO RICO: Island average rainfall 3.76 in., 2.35 in. above normal. Highest weekly total 10.12 in. Highest 24-hour total 5.14 in. Temperature averaged about 78 to 79° on coasts, 73° interior divisions. Mean station temperature ranged from 65 to 80°. Extremes 47°; 91°. Total rainfall 5.78 in., plus 4.67 in.

SOUTH CAROLINA: Dry. Scattered showers northwest State, amounts light. No precipitation elsewhere. Drought conditions. Temperatures 90s midweek, weekend cooling trend.

Days available for fieldwork 6.2. Soil moisture 91% very short, 7% short, 2% adequate. Cotton 56% poor, 44% fair; 65% planted, 91% 1985, 70% avg. Corn fair; 95% planted, 100% 1985, 91% avg. Tobacco fair; 89% planted, 95% 1985, 89% avg. Earlier freeze damage upstate peaches appears more severe as crop develops. All small grains critical head filling stage of development, need rain desperately. Vegetables, pastures fair, rainfall needed soon.

SOUTH DAKOTA: Average temperatures 2 to 4° below normal; none to 2° above normal western border. Extremes 23°; 88°. Black Hills low 16°. Precipitation 0.50 to 1.00 in. east and central; less than 0.25 in. west.

Days suitable for fieldwork 1.1. Topsoil moisture adequate west, surplus east; 36% adequate, 64% surplus. Subsoil moisture 50% adequate, 50% surplus. Flooding major problem northeast, east central. Cool, wet weather slowing spring planting; crop conditions fair to excellent. Spring small grain seeding three weeks behind normal. Corn planting beginning but slow due to cool, wet conditions. Livestock fair to good. Pneumonia, scours showing up following mid-April blizzard. Calving 75%, lambing 74% complete. Thirty seven percent of cattle moved to pasture to get out of mud. Range, pastures fair to good. Supplemental feeding continued.

TENNESSEE: High temperatures slightly above normal statewide. Low temperatures near normal west, 2 to 5° below normal middle, east. Rainfall amounts light middle, east. Amounts of 0.50 to 1.00 in. common west.

Days suitable for fieldwork 6.0. Soil moisture 82% short, 18% adequate. Corn 75% planted, 63% 1985, 42% avg.; 7% very poor, 10% poor, 63% fair, 20% good. Cotton 40% planted, 25% 1985, 26% avg. Sorghum 30% planted, 15% 1985. Soybeans 3% planted, 4% 1985, 3% avg. Wheat 65% headed, 60% 1985, 44% avg.; 3% very poor, 18% poor, 56% fair, 23% good. Tobacco 85% plants up, 95% 1985; 1% transplanted,

1% avg. Alfalfa 9% 1st cutting, 10% 1985, 10% avg. Major farm activities: planting of row crops. Livestock fair. Pastures fair.

TEXAS: Several upper air disturbances combined with moist, unstable surface air and slow moving front to trigger rain, numerous thunderstorms mainly over eastern half State. However, much High, Rolling Plains, Coastal Bend plus other areas remained moisture short. Temperatures averaged close to normal east, south, above normal western sections, especially Northern High Plains.

Crops: Irrigated small grain fields good progress Plains. Dryland fields suffering, yields expected low. Many fields heading. Russian aphid populations high some fields. Fields rapidly turning color Low Plains, Cross-Timbers. Harvest begin soon. Harvest nearing Blacklands, central, fields rapidly turning color. Head development erratic. Harvest activities underway south, Coastal Bend. Corn planting continued Plains. Irrigation active many fields. Fields Blacklands, east central responded to good rains, growth increased. Cultivation activities limited by rain. Early fields tasseling Coastal Bend. Tasseling also Rio Grande Valley, Upper Coast. Rains increased growth these areas. Land preparation, planting grain sorghum continued Plains, Cross-Timbers. Some producers wait for additional moisture to begin planting. Some cultivation occurred early week Blacklands. Fields responded well to recent rains. Fields look good east, central, south. Early fields heading Coastal Bend, Rio Grande Valley. Cotton planting increased Plains. Many fields irrigated. Some planting irrigated land Cross Timbers. Some fields still unplanted Blacklands, central. Fields Coastal Bend, Upper Coast, Rio Grande Valley decent growth. Squaring increased these areas. Planting continued Trans-Pecos. Rice planting winding down Upper Coast. Flushing continued aid emergence. Weed control increased. Peanuts 9% planted, 6% 1985, 10% avg. Planting underway central, Cross-Timbers. Land preparations continued many other areas. Some early planted fields emerging. Sugarbeets 100% planted, 87% 1985, 95% avg. Planting High Plains about complete. Most fields up. High winds damaged emerged fields. Other Field Crops: Soybeans 26% planted, 2% 1985, none avg. Sunflowers 19% planted, 4% 1985, 6% avg.

Commercial Vegetables: Rio Grande Valley, onion harvest declining, many growers finished for season. Yields good. Prices low. Some harvesting melons underway, muddy fields slowed progress. San Antonio-Winter Garden, melons setting fruit. Harvest delayed because rain many fields. Blading onions underway. East rain help vegetable growth. Tomato plants setting fruit. Transplanting sweetpotatoes underway weather permits. High Plains onions suffer high winds, thrips. Irrigation continued. Potatoes good progress. Some hail damage potatoes reported Knox-Haskell area. Trans-Pecos, chili planting continued. Additional moisture needed to aid cantaloup progress, relieve irrigation needs. Early peach varieties continued mature east, harvest begin soon. Quality expected good, yields lower. Some light harvest beginning south. Spraying for insects continued. Pecan progress continued good across most State. Zinc spraying northern areas. Spraying for casebearers underway central, south. Nut sets seem good most areas.

Range and Livestock: Range, pasture conditions expected improve areas of rainfall last week. Many producers grazing poor wheat fields Plains. Fertilizing pastures continued Cross-Timbers, east. First cutting of hay expected soon. More rain needed many areas to improve conditions. Livestock holding steady or improving, depending on pastures. Vaccinating underway Brucellosis. Horn flies problem untreated herds. Shearing sheep, marking lambs continued Hill Country. Many lambs going market because good prices.

UTAH: Temperatures above normal south, below normal north. North central 4° below normal. Precipitation heavy north central, mountains; light central, south; none extreme south.

Days suitable fieldwork 5.0. Topsoil moisture 31% surplus, 44% adequate, 25% short. Planting progress normal except seeding small grains north central behind. Spring wheat 78% seeded, barley 74%, oats 62%. Corn 8% planted. Emergence generally 1 week ahead normal; spring wheat 64%, barley 62%, oats 29%. Winter wheat 10 in., alfalfa 9 in. high. Weeds, weevil, aphid problem alfalfa. Pasture, ranges good. Calving 91%, lambing 83%, shearing 88% complete. Wide variance frost damage fruit.

VIRGINIA: Warm, dry. Temperatures averaged 5° above normal. Range 41°; 93°. Precipitation very light, 0.10 in. most common amount. Range zero to 1.44 in.

Days suitable for fieldwork 5.8. Soil moisture 97% short, 3% adequate. Drought continued, crop conditions declined. Corn planting 56% complete, 62% 1985, 61% avg. Planting pace slowed, waiting for rain. Some fields not germinating uniformly, mostly good. Soybean planting 5% complete, 6% 1985, 6% avg. Peanut planting 20% complete, 32% 1985, 40% avg. Flue-cured tobacco transplanting 7% complete, 17% 1985, 13% avg. Irrigating plantbeds. Reseeding some Burley tobacco plantbeds, expect seedling shortage. Burley seeding growth behind normal. Fruit mostly excellent. Wheat, barley declined, mostly fair. Small grain fields short, cereal leaf beetle populations building. Pastures poor to fair. Alfalfa mostly fair, other hay poor to fair. First cut hay short. Spraying for alfalfa weevil. Cut rye silage. Potatoes mostly good; irrigating. Setting cabbage. Land preparation continued.

WASHINGTON: Rain throughout State; above normal west of Cascades. Cool temperatures prevailed, averaged 4 to 11 ° below normal.

Days suitable for fieldwork 5.2. Soil moisture 10% short, 80% adequate, 10% surplus. Wheat, barley mostly good to fair. Cold, frequent rain limited fieldwork, slowed crop progress. Minor crop, fruit, vegetable damage. Hay supplies 35% short, 65% adequate. Range, pasture 20% short, 80% adequate.

WEST VIRGINIA: Temperatures normal to 3° above except northwest temperatures 1° below. Average temperature 58°. Temperature extremes 20° Greenbank; 93° Clarksburg and Williamson. Precipitation below normal. Average precipitation 0.20 in.

Days suitable for fieldwork 5.0. Soil moisture 16% very short, 45% short, 39% adequate. Feed supplies 20% short, 76% adequate, 4% surplus.

WISCONSIN: Temperatures averaged 56°. Rain fall ranged from 0.25 to 0.80 in.

Days suitable for fieldwork 4.7. Soil moisture 6% short, 75% adequate, 19% surplus. Spring plowing 57% complete, 53% 1985, 41% avg. Corn planted 9%, 16% 1985, 9% avg. Oats 68% planted, 65% 1985, 55% avg. Planting of peas, potatoes progressing well. Some oats, peas up, look good. Alfalfa, winter wheat mostly good. Apples blossoming south .

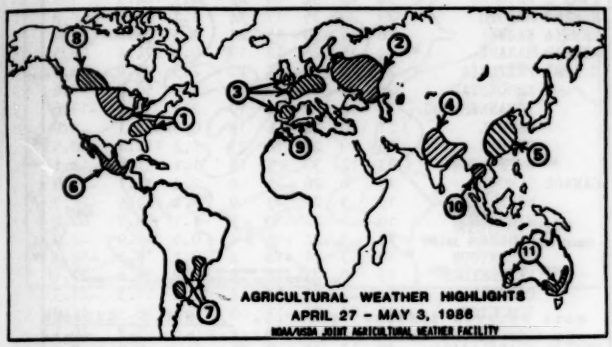
WYOMING: Temperatures slightly above normal. Most areas below normal precipitation.

Days suitable for fieldwork 5.0. Topsoil moisture 23% short, 73% adequate, 4% surplus. Spring wheat planted 70%, 85% 1985, 55% avg.;

(Continued to back cover)

International Weather and Crop Summary

April 27-May 3, 1986



HIGHLIGHTS:

1. **UNITED STATES** ... The lack of moisture in the Southeast, and cold, rainy weather in the Northern Plains slows planting, germination, and crop development.

2. **WESTERN U.S.S.R.** ... Light, scattered showers cover winter grains in the vegetative stage. Persistent dryness in the Volga Valley limits moisture for winter grain growth.

3. **EUROPE** ... Fair weather in the northwest follows persistent wetness, improving conditions for spring crop planting. Unseasonably warm, dry weather in parts of the southeast stresses early winter grain growth.

4. **SOUTH ASIA** ... Unseasonable rain falls in the region but does not significantly slow wheat harvesting.

5. **EASTERN ASIA** ... Dry weather in the North China Plain is unfavorable for nonirrigated winter wheat entering the heading stage. Moisture is adequate for most rice areas.

6. **MEXICO** ... Rain in the eastern corn belt favors corn planting and emergence. Light showers fall over most other agricultural areas.

7. **SOUTH AMERICA** ... Dry weather favors crop harvesting in Argentina and Brazil.

8. **CANADA** ... Light rain and snow cover the Prairie grain belt. Heavier precipitation falls in the east. Spring grain planting has begun.

9. **NORTHWESTERN AFRICA** ... Dry weather in Morocco favors winter grain maturation. Early-week showers in Algeria and Tunisia have minimal impact on maturing winter grains.

10. **SOUTHEAST ASIA** ... Some Thai corn and rice planting may have begun where moderate rain, during the past 2 weeks, has supplied adequate moisture.

11. **AUSTRALIA** ... Mostly dry weather covers wheat areas and early planting progresses slightly.

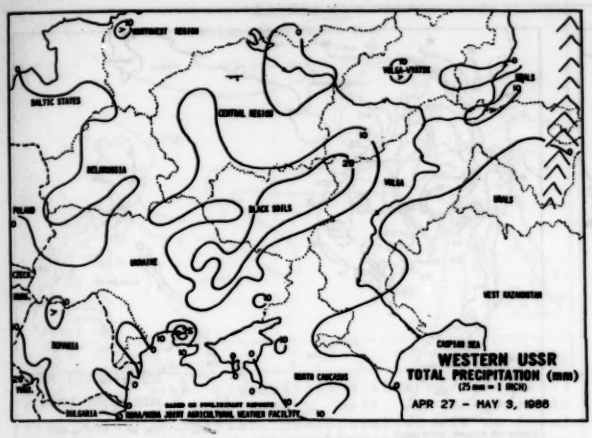
April 1986

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
*** = DATA NOT AVAILABLE

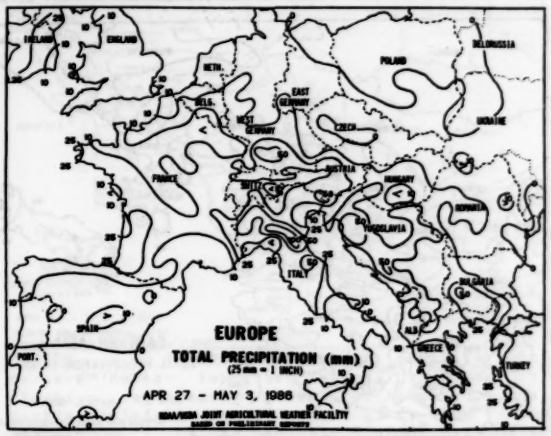
COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
NORWAY	OSLO	5	-3	13	-10	1	-1.3	41.3	-7.3
SWEDEN	STOCKHOLM	7	-1	18	-8	3	-1.4	61.2	29.4
FINLND	HELSINKI	2	0	2	0	1	-1.5	11.6	-29.3
U KING	GLASGOW	10	1	13	-5	5	-2.9	52.3	-10.7
	EDINBURGH	9	1	14	-4	5	-2.3	77.2	38.7
	BIRMINGHAM	10	2	16	-2	6	-2.0	55.3	11.7
	LONDON	10	3	17	-3	6	-1.5	66.1	10.0
IRELND	DUBLIN	10	3	14	-1	6	-1.9	48.2	1.1
ICELND	REYKJAVIK	6	1	11	-7	4	0.3	49.8	-7.5
DENMRK	COPENHAGEN	9	1	17	-5	5	-1.9	29.9	-8.2
LUXEMB	LUXEMBOURG	9	2	18	-7	6	-2.7	100.6	51.9
SWITZL	ZURICH	10	4	21	-4	7	-1.5	182.2	90.8
	GENEVA	11	4	18	-5	7	-1.7	141.8	83.4
FRANCE	PARIS	11	3	17	-3	7	-2.4	90.6	54.9
	STRASBOURG	12	4	20	-5	8	-1.5	83.8	40.9
	BOURGES	11	3	17	-4	7	-2.7	96.1	49.5
	BORDEAUX	12	4	18	-2	8	-2.9	157.8	98.4
	TOULOUSE	13	5	21	0	9	-1.7	62.4	6.5
	MARSEILLE	16	9	21	2	12	-0.8	101.8	59.4
SPAIN	VALLADOLID	12	2	20	-4	7	-3.2	34.3	-1.4
	MADRID	14	3	22	-3	9	-3.7	63.1	19.8
	SEVILLE	20	8	29	3	14	-2.5	55.3	3.0
E GRMY	LEIPZIG	11	4	20	-6	7	-0.9	54.1	13.3
	DRESDEN	11	4	20	-6	8	-0.4	55.6	9.6
W GRMY	HAMBURG	10	3	19	-7	7	-0.6	29.0	-18.0
	BERLIN	11	4	20	-5	8	-1.0	54.8	14.5
	DUSSELDORF	11	4	16	-6	8	-2.1	103.6	52.5
	STUTTGART	11	3	19	-6	7	-1.7	129.4	74.9
	NURNBERG	13	4	22	-5	8	0.3	45.0	1.4
	MUNICH	12	3	22	-7	8	0.0	106.7	34.2
AUSTRI	VIENNA	17	6	26	-3	11	1.5	13.8	-29.1
	INNSBRUCK	13	4	21	-4	9	0.1	74.2	8.5
CZECH	PRAGUE	14	3	24	-7	9	0.8	23.5	-14.5
POLAND	WARSAW	14	4	26	-6	9	1.8	12.1	-22.2
	LODZ	14	5	25	-6	9	2.1	44.3	-5.7
	KATOWICE	15	4	26	-7	10	2.4	53.0	-1.1
	PRZEMYSL	16	6	25	-4	11	3.0	20.9	-26.8
HUNGAR	BUDAPEST	19	8	27	-2	13	2.3	43.1	4.0
YUGOSL	SARAJEVO	18	4	27	-6	11	1.6	50.6	-25.3
ROMANI	BUCHAREST	21	6	27	0	14	2.4	19.3	-25.3
BULGAR	SOFIA	20	8	26	-1	14	3.5	40.5	-6.6
ITALY	MILAN	15	8	23	-1	12	-0.6	115.0	37.4
	VERONA	17	9	23	0	13	0.6	102.0	41.4
	VENICE	16	9	22	2	13	0.3	33.4	-38.4
	GENOA	16	11	25	6	14	-1.2	200.2	114.6
	ROME	18	8	22	1	13	-0.2	135.1	85.8
	NAPLES	20	8	25	1	14	1.2	30.6	-43.5
GREECE	THESSALONIKA	22	8	25	5	15	0.8	7.7	-28.4
	LARISSA	23	5	27	-1	14	0.1	5.0	-23.4
	ATHENS	21	12	26	9	17	0.5	13.4	-3.7
TURKEY	ISTANBUL	18	9	25	5	14	2.9	53.0	15.0
	ANKARA	19	2	25	-2	11	-1.0	7.0	-19.0
CYPRUS	LARNACA	25	14	29	10	19	2.4	4.5	-15.6
USSR	TALLINN	7	0	24	-5	4	0.8	26.5	-8.9
	LENINGRAD	9	2	25	-6	5	1.8	28.3	-7.0
	KAUNAS	10	2	25	-10	6	0.5	88.8	49.3
	MINSK	12	3	25	-5	8	1.9	35.4	-5.0
	KAZAN	13	3	26	-5	8	3.3	10.2	-21.4
	MOSCOW	10	4	24	-5	7	1.4	87.7	49.8
	SVERDLOVSK	13	1	25	-7	7	3.2	11.6	-13.9
	OMSK	11	0	26	-9	6	2.7	5.5	-14.2
	KUSTANAY	14	2	26	-6	8	2.9	19.4	-2.2
	KRASNOYARSK	6	-4	14	-12	1	-0.1	14.7	-11.1
	NOVOSIBIRSK	5	-2	22	-14	2	2.5	18.6	5.9
	BARNAUL	7	-1	22	-11	3	0.3	7.5	-20.0
	KHABAROVSK	10	0	22	-6	5	1.5	52.6	15.2
	VLADIVOSTOK	9	2	15	-3	5	1.2	28.5	-33.9
	KIEV	16	5	24	-3	10	2.0	29.3	-10.6
	LVOV	15	5	25	-5	10	2.8	41.6	-6.4
	KIROVOGRAD	17	5	28	0	11	2.4	13.3	-18.0

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
USSR	ODESSA	16	6	25	1	11	2.2	11.8	-19.3
	YALTA	16	9	25	5	12	2.1	59.9	27.9
	VORONEZH	16	6	25	-4	11	3.6	52.4	16.9
	SARATOV	16	6	25	-1	11	4.4	5.7	-21.4
	KHARKOV	17	6	24	0	12	3.0	72.6	43.1
	VOLGOGRAD	19	7	27	-8	13	4.2	3.3	-20.0
	ROSTOV	19	8	26	3	14	3.1	21.6	-16.7
	ASTRAKHAN	21	7	27	2	14	3.4	2.5	-13.0
	KRASNODAR	21	8	27	0	15	3.0	35.5	-17.4
	ORENBURG	15	3	27	-10	9	1.8	1.6	-21.8
	TSELINOGRAD	11	1	22	-9	6	2.7	4.9	-9.2
	KARAGANDA	11	0	23	-7	6	1.0	19.3	-4.4
	TBILISI	20	8	25	-7	14	1.1	26.7	-24.4
	TASHKENT	22	9	30	1	16	0.4	22.0	-37.3
	ASHKHABAD	23	11	35	3	17	0.0	35.8	-7.5
SYRIA	DAMASCUS	26	8	31	3	17	1.3	9.3	-3.7
ISRAEL	JERUSALEM	22	11	29	6	17	1.1	18.7	-9.5
PAKIST	KARACHI	35	23	40	20	29	0.6	0.0	-1.6
INDIA	AMRITSAR	33	15	41	7	24	-1.4	3.5	-8.6
	NEW DELHI	36	21	41	15	29	-0.4	6.9	0.3
	AHMEDABAD	40	25	42	20	32	1.1	0.0	0.0
	INDORE	39	21	42	15	30	0.3	0.0	-2.0
	CALCUTTA	36	24	40	20	30	-1.0	38.0	3.2
	VERAVAL	32	24	40	19	28	0.8	0.0	0.0
	BOMBAY	33	24	40	19	29	0.4	0.0	-0.4
	POONA	38	19	41	13	29	-0.7	0.0	-16.4
	BEGAMPET	39	25	42	21	32	0.9	52.7	31.2
	MADRAS	35	26	37	24	30	-0.3	0.5	-15.0
	MANGALORE	34	26	36	23	30	0.5	0.3	-39.6
H KONG	HONG KONG	25	21	31	16	23	1.0	114.9	-24.6
N KREA	PYONGYANG	16	2	23	-5	9	0.5	31.6	-30.4
S KREA	SEOUL	18	7	24	2	13	2.1	25.7	-42.4
JAPAN	SAPPORO	11	4	19	-3	7	1.1	55.0	-10.2
	NAGOYA	19	10	28	1	15	1.1	138.0	-15.3
	TOKYO	18	11	23	5	14	0.5	90.5	-37.7
	YOKOHAMA	18	11	23	3	14	0.7	111.5	-31.2
	KYOTO	20	10	29	1	15	1.5	121.1	-42.1
	OSAKA	20	11	25	2	15	0.7	137.5	-7.9
THAILN	PHETCHABUN	38	24	43	21	31	0.9	126.3	51.9
	BANGKOK	35	26	36	23	31	0.2	35.7	-28.5
MALAYS	KUALA LUMPUR	32	23	36	23	28	0.8	482.1	203.7
VIETNM	HANOI	27	23	35	19	25	1.3	189.7	108.4
CHINA	HARBIN	12	-1	25	-10	5	-0.3	3.2	-20.6
	HAMI	19	4	27	-2	12	-1.2	0.0	-2.1
	LANCHOW	18	6	29	1	12	0.1	0.3	-17.2
	BEIJING	21	9	28	3	15	1.4	1.1	-18.3
	TIENTSIN	20	10	27	6	15	1.8	10.0	-11.0
	LHASA	14	1	20	-4	8	-0.6	3.7	-0.3
	KUNMING	23	10	27	5	17	0.6	40.7	19.5
	CHENGCHOW	22	10	30	1	16	1.1	1.2	-52.5
	YEHCHANG	21	13	33	10	17	0.7	70.1	-34.4
	HANKOW	20	13	33	7	17	0.8	173.4	33.3
	CHUNGKING	20	15	33	11	18	-2.1	54.3	-32.5
	CHIHKIANG	20	14	32	10	17	0.7	73.9	-94.3
	SHANGHAI	18	11	30	5	14	0.3	86.4	-17.0
	NANCHANG	20	15	31	10	17	0.4	204.8	-20.6
	TAIPEI	26	20	32	15	23	1.9	113.1	-54.8
	CANTON	27	21	31	14	24	1.8	64.5	-114.2
	NANNING	27	21	33	14	24	1.8	260.0	170.1
CNRY I	LAS PALMAS	21	15	23	12	18	-0.6	1.9	-4.2
MOROCC	CASABLANCA	18	9	20	3	13	-2.3	30.2	-8.1
	MARRAKECH	22	10	31	4	16	-0.8	3.3	-31.3
ALGERI	ALGER	20	8	29	2	14	-0.8	21.1	-60.5
	BATNA	17	4	24	-2	11	-1.2	17.0	-10.9
TUNISI	TUNIS	22	11	28	6	17	1.4	22.2	-25.7
NIGER	NIAMEY	43	30	45	25	36	2.4	0.0	-4.1
MALI	TIMBUKTU	40	26	45	3	33	1.8	6.1	4.7
	BAMAKO	39	29	42	23	34	2.4	20.3	3.9
MAURIT	NOUAKCHOTT	33	19	42	13	26	0.7	0.0	0.0
SENEGL	DAKAR	24	19	28	11	22	0.1	4.0	4.0
CHAG A	DIEGO GARCIA	31	26	33	24	29	0.7	468.0	286.5
LIBYA	TRIPOLI	27	12	38	7	20	1.2	0.0	-19.0
	BENGHAZI	25	15	36	11	20	1.2	0.0	-7.2
EGYPT	CAIRO	29	16	40	12	23	1.6	6.9	5.7
	ASWAN	34	20	39	13	27	-0.5	0.0	-0.3
ETHIOP	ADDIS ABABA	22	12	26	10	17	-1.2	248.9	165.2
KENYA	NAIROBI	25	15	27	14	20	-0.1	186.7	30.0
TANZAN	DAR ES SALAAM	30	22	33	21	26	-0.3	378.0	107.6

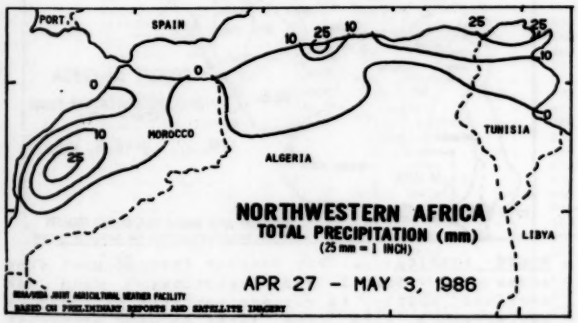
COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
GABON	LIBREVILLE	30	23	32	22	27	0.0	235.5	-111.1
TOGO	LOME	33	25	39	22	29	1.1	30.2	-69.4
B FASO	OUAGADOUGOU	40	28	49	24	34	1.7	10.1	-13.6
IVRY C	ABIDJAN	32	26	34	20	29	0.9	164.9	1.9
MOZAMB	MAPUTO	29	20	35	17	24	1.1	61.5	2.8
ZAMBIA	KABWE	26	16	30	15	21	1.3	98.6	75.2
ZIMBAB	HARARE	24	15	28	12	19	0.8	74.4	28.1
S AFRI	PRETORIA	25	14	30	11	20	2.3	39.8	-18.3
	KROONSTAD	25	11	30	5	18	1.8	50.5	7.6
	JOHANNESBURG	23	12	27	8	17	2.2	37.9	-19.6
	BETHAL	21	10	26	6	16	0.5	30.1	-8.0
	DURBAN	26	19	29	16	23	1.4	117.1	30.5
	CAPE TOWN	23	12	30	7	18	1.1	31.5	-13.1
CANADA	TORONTO	13	2	26	-5	8	1.4	54.1	-15.9
	MONTREAL	15	3	27	-3	9	3.1	49.5	-24.7
	WINNIPEG	10	-1	22	-10	5	1.1	98.7	60.2
	REGINA	11	-3	24	-13	4	0.5	18.9	-4.9
	SASKATOON	10	-3	21	-14	4	-0.1	6.3	-14.3
	LETHBRIDGE	13	0	23	-12	6	1.2	15.6	-27.1
	CALGARY	11	-2	25	-13	4	1.2	11.3	-21.3
	EDMONTON	10	-1	24	-13	5	0.4	36.5	14.8
	VANCOUVER	11	5	17	0	8	-0.8	105.7	46.1
MEXICO	GUADALAJARA	32	12	35	7	22	0.2	0.2	-8.2
	MEXICO CITY	25	12	30	9	19	0.9	21.6	8.6
	ACAPULCO	32	22	38	21	27	-0.5	0.0	-5.2
BERMUD	ST. GEORGES	22	18	23	16	20	1.1	121.2	40.6
BAHAMA	NASSAU	27	17	30	12	22	-1.4	6.2	-48.5
CUBA	HAVANA	27	21	30	19	24	-0.6	0.3	-50.0
JAMAIC	KINGSTON	32	23	33	21	27	0.5	11.3	-27.5
P RICO	SAN JUAN	30	22	32	21	26	0.1	185.8	93.9
GUADEL	RAIZET	30	22	31	20	26	0.9	51.3	-6.8
MARTNQ	LAMENTIN	30	23	32	20	26	1.5	26.5	-51.6
BARBAD	BRIDGETOWN	30	24	30	20	27	0.2	10.9	-35.5
TRINID	PORT OF SPAIN	32	23	33	21	27	0.8	3.2	-47.0
COLOMB	BOGOTA	19	10	21	5	14	0.8	160.9	72.7
VENEZU	CARACAS	30	23	33	18	27	0.8	18.4	-0.5
F GUIA	CAYENNE	30	24	31	22	27	1.2	99.7	-329.7
BRAZIL	FORTALEZA	29	23	32	22	26	-0.7	362.9	-3.3
	RECIFE	29	23	31	21	26	-0.1	402.8	121.5
	BELO HORIZONTE	29	19	32	14	24	2.2	62.1	-3.0
	CAMPO GRANDE	31	20	34	11	26	3.8	50.6	-50.5
	FRANCA	27	17	30	12	22	2.0	42.4	-38.6
	RIO DE JANEIRO	29	23	37	19	26	1.9	75.8	-38.4
	LONDRINA	30	18	34	13	24	3.1	125.3	30.3
	SANTA MARIA	25	18	33	7	21	2.3	223.7	81.7
	PORTO ALEGRE	27	19	31	13	23	2.9	271.9	168.8
PERU	LIMA	24	18	27	15	21	0.6	1.2	1.2
BOLIVI	LA PAZ	13	2	15	-2	8	-1.3	54.9	25.0
CHILE	SANTIAGO	22	7	30	1	14	0.2	22.3	8.9
ARGENT	IGUAZU	27	19	34	9	23	*****	78.3	******
	FORMOSA	28	21	34	14	25	3.2	237.0	100.0
	CERES	25	17	31	8	21	1.9	139.2	66.9
	CORDOBA	24	14	34	7	19	2.5	25.7	-20.9
	RIO CUARTO	22	13	28	7	18	1.7	9.1	-41.8
	ROSARIO	23	15	28	4	19	2.3	43.7	-41.3
	BUENOS AIRES	23	13	26	5	18	2.1	103.6	17.5
	SANTA ROSA	20	12	26	7	16	1.6	73.8	22.2
	TRES ARROYOS	19	11	25	2	15	1.5	34.5	-29.5
MIDW I	MIDWAY ISLAND	22	18	26	15	20	0.6	138.9	77.3
N CALD	NOUMEA	27	22	30	19	24	0.7	65.7	-49.0
FIJI	NAUSORI	27	23	31	18	25	-0.6	649.2	309.9
SAMOA	PAGO PAGO	30	24	32	22	27	0.4	458.6	147.5
TAHITI	PAPEETE	31	24	33	22	28	0.8	13.2	-100.6
N ZEAL	AUCKLAND	20	13	24	6	17	0.1	126.1	15.3
	WELLINGTON	18	12	20	8	15	1.3	24.0	-82.5
PA N G	PORT MORESBY	29	24	32	23	27	-0.1	179.6	61.5
AUSTRL	DARWIN	32	25	35	23	29	0.2	99.2	1.4
	MOREE	28	15	35	7	22	1.7	2.0	-22.2
	BRISBANE	26	18	29	16	22	0.6	19.2	-52.9
	PERTH	24	12	32	6	18	-0.8	5.8	-41.6
	CEDUNA	21	13	39	6	17	-0.3	14.6	-7.3
	ADELAIDE	21	13	36	7	17	-0.1	44.0	-2.4
	MELBOURNE	18	11	29	6	15	-0.6	42.2	-10.4
	WAGGA	23	12	35	5	17	1.6	33.2	-17.3
	CANBERRA	21	8	32	1	15	1.5	50.4	3.7
INDONE	DJAKARTA	31	25	33	23	28	0.3	189.2	73.3
PHILIP	MANILA	34	24	35	21	29	-0.5	12.9	-3.3



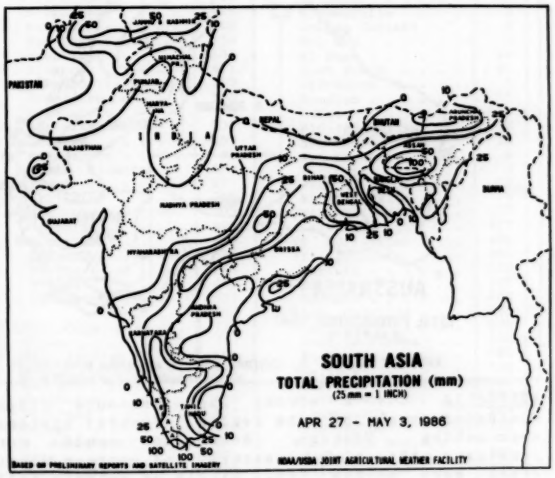
WESTERN U.S.S.R. ... Dry weather covered crop areas in the Baltic States, Belorussia, and the western Ukraine, aiding spring grain planting. By week's end, a nearly stationary high pressure area centered over Kazakhstan began to weaken, allowing storm systems to penetrate eastern winter grain areas. As a result, wet weather (around 25mm) fell in a band that stretched northeastward from the northeastern Ukraine, through the central Black Soils Region, and into the western Volga. The rain in these areas benefited winter grains in the vegetative stage and provided abundant topsoil moisture for emergence and early growth of spring sown crops. By week's end, high pressure from Europe began to build over the western portion of the region, producing a northerly air flow which ushered in cooler weather.



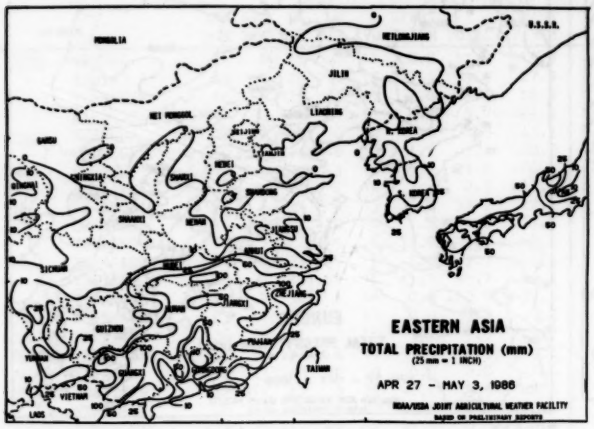
EUROPE ... A stationary high pressure system produced fair weather over much of England, northern France, northern West Germany, East Germany, Poland, and Czechoslovakia. The dry weather in England, northern France, and West Germany was especially beneficial as it followed persistent wetness, improving conditions for spring crop planting. Winter grain areas in northern Italy received heavy rain with local amounts in excess of 100mm likely producing some flooding. Elsewhere, dry weather returned to winter grain areas in Spain. In southeastern Europe, above-normal temperatures accompanied generally dry weather over winter grains in southern Romania and northern Bulgaria, stressing early crop growth.



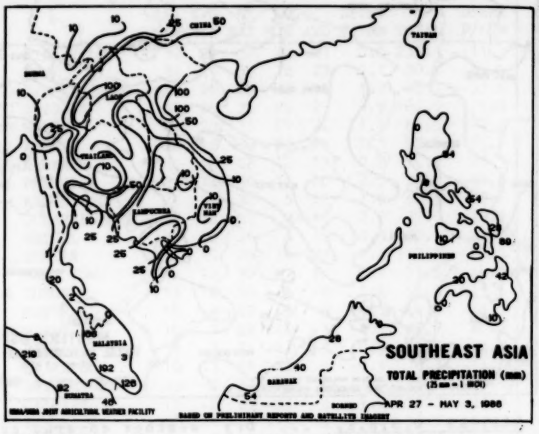
NORTHWESTERN AFRICA ... Winter grains over much of the region are approaching maturity. Dry weather covered winter grains in Morocco, aiding crop maturation. Light showers fell over Algeria, where the maturing crop probably did not need the moisture, but it was not deterimental. In Tunisia, early-week showers were not advantageous for the crop's development. However, dry weather by week's end aided grain maturation. Weekly temperatures were below normal over the region.



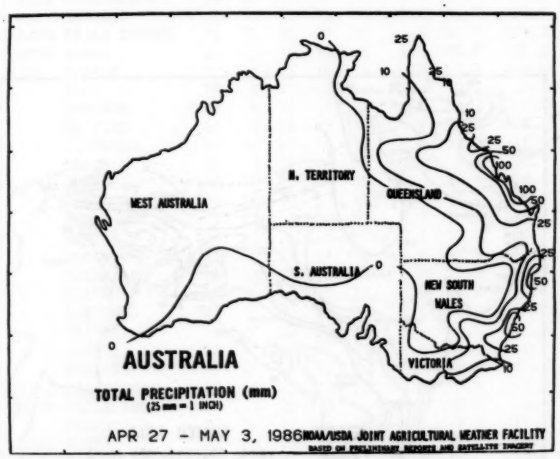
SOUTH ASIA ... Moderate rain fell again this week in central and eastern India. However, little rice planting will begin until June. Light showers fell in wheat areas but did not slow harvesting. Moderate rain fell in northern Pakistan, but only light showers extended into the major wheat region. Temperatures averaged cooler than normal because of the unseasonable moisture.


EASTERN ASIA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
APR 27 - MAY 3, 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS

EASTERN ASIA ... Mostly dry weather returned to the North China Plain. Winter wheat is in the sensitive heading stage, and moisture is limited for nonirrigated wheat in Hebei, Shandong, and Henan. The drier-than-normal weather is likely slowing cotton, corn, and soybean planting. Warm weather in northeastern China benefited early growth of spring wheat, but dry weather may slow corn and soybean planting. Cool weather in much of central China slowed crop progress. Moderate to heavy rain in southern China maintained adequate moisture for early rice entering the heading stage. Intermediate rice planting continues in the Yangtze Valley while late single crop rice planting normally begins in May.

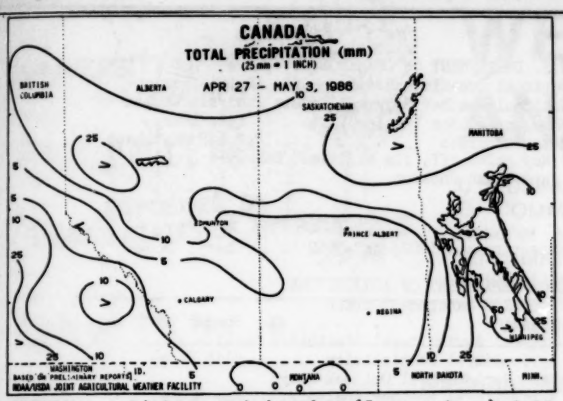


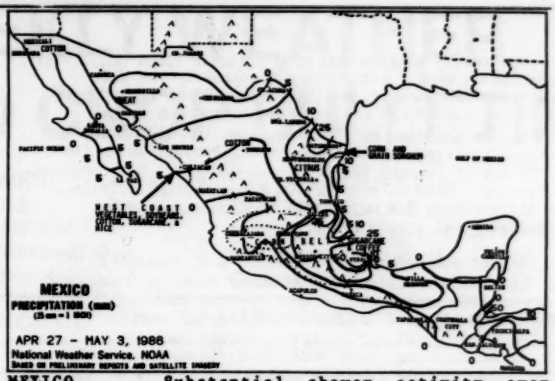
SOUTHEAST ASIA ... Moderate to heavy rain covered much of northern Vietnam, Laos, and Thailand. Irrigation reservoirs benefited from 50 to 100mm of rain. Rainfed rice areas in eastern Thailand received 25 to 50mm of rain again this week and planting may have begun. Corn planting may have also begun in central Thailand, however some dry pockets remain. Moderate to heavy rain fell in the eastern Philippines, but mostly dry weather continued in central Luzon where upland rice planting normally begins in May.



AUSTRALIA ... A strong high pressure ridge dominated much of the region. Frontal systems approaching Western Australia could not penetrate the high pressure, and western wheat areas were mostly dry. Little or no rain fell in wheat areas of South Australia, Victoria, and New South Wales. Central and northern New South Wales remains the driest region, and wheat planting is likely progressing very little. Moderate to heavy rain, 25 to over 100mm, was confined to the east coast with some possible flooding in Queensland's sugar region. Light to moderate rain (10 to 25mm) extended into wheat areas of Queensland where some planting may begin.

SOUTH AMERICA ... Dry weather covered most crop areas of Brazil and Argentina. Rain was confined mostly to eastern portions of Brazil's center-south with some light showers occurring across northern soybean areas. Dryness improved harvest conditions in the major soybean areas of western Parana and western Rio Grande do Sul, alleviating persistent wetness in the south. The soybean harvest is still behind last year's pace and the average, especially in Rio Grande do Sul where about 60 percent of the crop is harvested. Warm, dry weather favored Argentina's crop harvests in all areas. The dry weather was especially beneficial in the rain-soaked northeast. Corn, sunflower, and sorghum harvesting are well advanced while soybean harvesting has increased recently.




MEXICO
PRECIPITATION (mm)
(25 mm = 1 INCH)
APR 27 - MAY 3, 1986
National Weather Service, NOAA
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

CANADA .. Light precipitation (5mm or less) fell over most of the grain belt in the Prairie Provinces. Heavier precipitation (10 to 50mm) fell in southwestern Manitoba, providing favorable topsoil moisture for spring grain emergence in the eastern Prairies. Snow and rain produced 10 to 30mm across extreme northern grain areas, as well. Weekly mean temperatures ranged from 2 to 9 degrees C throughout the Prairies. These temperatures were generally 1 to 5 degrees below normal, keeping soil temperatures relatively low for crop emergence. Spring wheat planting normally occurs during May. Planting activity has just begun. Moisture is limited in the southwest.

MEXICO ... Substantial shower activity over eastern Mexico improved topsoil moisture for planting and early growth of summer crops. Weekly rainfall ranged from 25 to 60mm in the eastern half of the Southern Plateau corn belt, while light showers (less than 5mm) fell in the west. The rain favored germination and emergence of corn in the east. Moisture is still limited in the west. Light rain (5mm or less) also occurred along the west coast farming region, causing minimal fieldwork delays. Warm and mostly dry weather continued to promote wheat harvesting. Light showers extended across the western mountains into some of the cotton areas and pasture lands.

Heating Degree Days (Base 65° F.)

April 1986

ALA. Birmingham	116	South Bend	425	NEV. Ely	670	TENN. Chattanooga	148
Mobile	40	IOWA, Des Moines	344	Las Vegas	57	Knoxville	206
Montgomery	86	Dubuque	429	Reno	469	Memphis	105
ALASKA, Anchorage	1013	Souix City	410	Winnemucca	542	Nashville	171
Barrow	2183	KANS. Concordia	284	N.H. Concord	499	TEX. Abilene	38
Fairbanks	1224	Dodge City	269	N.J. Atlantic City	444	Amarillo	203
Nome	1569	Goodland	375	N. MEX. Albuquerque	249	Austin	14
ARIZ. Flagstaff	619	Topeka	252	N.Y. Albany	432	Beaumont	10
Phoenix	2	Wichita	220	Binghamton	522	Brownsville	0
Tucson	22	KY. Lexington	259	Buffalo	519	Corpus Christi	0
Winslow	308	Louisville	224	New York	350	Del Rio	4
Yuma	0	LA. Baton Rouge	25	Rochester	506	El Paso	47
ARK. Fort Smith	87	Lake Charles	18	Syracuse	471	Fort Worth	41
Little Rock	87	New Orleans	28	N.C. Asheville	273	Galveston	5
CALIF. Bakersfield	131	Shreveport	44	Charlotte	106	Houston	11
Eureka	422	MAINE, Caribou	660	Greensboro	176	Lubbock	100
Fresno	98	Portland	548	Hatteras	156	Midland	39
Los Angeles	114	MD. Baltimore	342	Raleigh	157	San Angelo	15
Red Bluff	180	MASS. Boston	490	Wilmington	92	San Antonio	8
Stockton	175	Chatham	573	N. DAK. Bismarck	673	Victoria	3
San Diego	85	MICH. Alpena	594	Fargo	627	Waco	39
San Francisco	260	Detroit	435	Williston	685	Wichita Falls	79
COLO. Denver	456	Flint	475	OHIO. Akron-Canton	403	UTAH, Milford	533
Grand Junction	366	Grand Rapids	466	Cinncinnati	305	Salt Lake City	477
Pueblo	346	Houghton Lake	532	Cleveland	459	VT. Burlington	492
CONN. Bridgeport	425	Lansing	480	Columbus	328	VA. Lynchburg	208
Hartford	413	Marquette	684	Dayton	343	Norfolk	228
D.C. Washington	267	S. Ste. Marie	639	Toledo	449	Richmond	187
FLA. Apalachicola	37	MINN. Duluth	680	Youngstown	437	Roanoke	206
Ft. Myers	-	Internatl Falls	646			WASH. Colville	565
Jacksonville	53	Minneapolis	454	OKLA. Okla. City	122	Quillayute	599
Key West	0	Rochester	492	Tulsa	127	Seattle-Tacoma	502
Miami	0	St. Cloud	508	OREG. Astoria	520	Spokane	595
Orlando	4	MISS. Jackson	90	Burns	665	Walla Walla	362
W. Palm Beach	0	Meridian	100	Medford	407	Yakima	525
Tallahassee	80	MO. Columbia	227	Pendleton	446	W. VA. Beckley	332
Tampa	7	Kansas City	267	Portland	437	Charleston	249
GA. Atlanta	133	St. Louis	194	Salem	494	Huntington	233
Augusta	112	Springfield	226	PA. Allentown	427	WIS. Green Bay	508
Macon	87	MONT. Billings	611	Erie	502	Madison	462
Savannah	59	Glasgow	638	Harrisburg	349	Milwaukee	494
IDAHO, Boise	499	Great Falls	672	Philadelphia	345	WYO. Casper	613
Lewiston	430	Havre	666	Pittsburgh	368	Cheyenne	628
Pocatello	592	Helena	645	Scranton	467	Lander	596
ILL. Cairo	133	Kalispell	637	R.I. Providence	460	Sheridan	593
Chicago	417	Miles City	574	S.C. Charleston	74		
Moline	338	Missoula	637	Columbia	115		
Peoria	314	NEBR. Grand Island	392	Greenville	154	Based on 1951-80 normals.	
Rockford	397	Lincoln	353	S. DAK. Aberdeen	622		
Springfield	261	Norfolk	434	Huron	584		
IND. Evansville	226	North Platte	479	Rapid City	617		
Fort Wayne	406	Omaha	357	Sioux Falls	498		
Indianapolis	344	Valentine	591				

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(Continued from p. 15)

vegetables were shipped. California vegetable harvest consisted mostly of broccoli, carrots, cauliflower, lettuce, celery, and sweet corn. A few cantaloup and watermelons were harvested in the Imperial Valley.

PASTURE AND LIVESTOCK: Pastures were mostly fair to good. Dryness slowed growth in the Southeast, and cold weather slowed growth in the northern Plains. Livestock was mostly good.

(Continued from p. 22)

emerged 35%, 40% 1985, 30% avg. Oats planted 60%, 60% 1985, 50% avg.; emerged 30%, 20% 1985, 20% avg. Barley planted 75%, 80% 1985, 65% avg.; emerged 50%, 45% 1985, 40% avg. Sugarbeets planted 85%, 90% 1985, 75% avg.; emerged 20%, 10% 1985, 20% avg. Corn 15% planted, 40% 1985, 20% avg. Potatoes 20% planted, 50% 1985, 15% avg. Small amount dry beans planted. Alfalfa prospects mostly good. Winter wheat 40% fair, 60% good. Livestock 20% fair, 75% good, 5% excellent. Spring calves born 90%, 85% 1985, 85% avg. Calf losses light. Farm flock: Ewes lambed 95%, 95% 1985, 90% avg.; shorn 90%, 90% 1985, 85% avg. Range flock: Ewes lambed 60%, 60% 1985, 55% avg.; shorn 65%, 65% 1985, 60% avg. Lamb losses light. Range, pastures mostly good.

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